CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Electrical power, Los Angeles, Calif., City plans program for electrical power, $14,000,000.

Loft and office, New York, N. Y., Jardine, Hill & Murdock, engrs. and archts., preparing plans for owner, $6,000,000.

Warehouse and cold storage plant, Montreal, Que., Montreal Rail and Harbor Terminals, Ltd., soon takes bids, $5,000,000.

Theatre, office and hotel, St. Louis, Mo., W. Fox Film Co. soon takes bids, $5,000,000.

Masonic home, Detroit, Mich., Michigan Masonic Home having plans prepared, $4,000,000.

Development work, Anderson, Ind., plans developing over 200 acres for new addition to city, $3,000,000.

Civil court, St. Louis, Mo., City soon takes bids, total $4,000,000.

Waterworks improvement, St. Louis, Mo., Bd. Pub. Service soon takes bids, $2,000,000.

Bank and office, New Haven, Conn., Union and New Haven Trust having preliminary plans prepared, $2,000,000.

Hospital, Newton, Mass., Newton Hospital having sketches made, $1,500,000.

Office, Kansas City, Mo., D. A. Schulte Cigar Corp. having plans prepared, $1,100,000.

Roads and bridges, Stillwater, Okla., Payne Co. plans bond election, $1,000,000.

Pier and wharf, Berkeley, Calif., A. O. Stewart plans pier and wharf, $1,000,000.

Bank and office, Davenport, Iowa, American Commercial & Savings Bank having preliminary plans prepared, $1,000,000.

Contracts

Apartment, Chicago, Ill., Lake View Avenue Building Corp. to A. Brundage Co., $1,250,000.

Bridge, Mobile, Ala., Louisville & Nashville R.R. Co. to Missouri Bridge & Iron Co., $1,003,000.

School, Indianapolis, Ind., Catholic High School to J. G. Karstedt Constr. Co., $1,000,000.

Theatre, Pittsburgh, Pa., Penna Federal Corp. to Boaz Kiel Constr. Co., $1,000,000.

Hotel, Knoxville, Tenn., Dooley-Gillespie Realty Co. to Worsham Bros. Constr. Co., $1,000,000.

Apartment hotel, St. Louis, Mo., Local Syndicate to W. H. Smith-Nelson Cunliff Co., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
July 23	Dover, N. J.	July 15
July 26	Jenkintown, Pa.	July 15
July 26	Oil City, Pa.	July 22
July 27	St. Louis, Mo.	July 8
July 27	Detroit, Mich.	July 8
July 27	Altus, Okla.	July 15
July 27	Brooklyn, N. Y.	July 22
July 27	Smithville, Mo.	July 22
July 27	Branson, Mo.	July 22
July 27	Altus, Okla.	July 22
July 27	Chicago, Ill.	July 22
July 29	Liberty, N. C.	July 22
July 29	Ransom, Kan.	July 22
Aug. 2	Alhambra, Calif. Adv. July 15 and 22.	July 15
Aug. 2	Towson, Md. Adv. July 15 and 22.	July 15
Aug. 2	Haledon, N. J.	July 15
Aug. 2	Stanton, Tex.	July 22
Aug. 2	Huntingburg, Ind.	July 22
Aug. 3	Ft. Lauderdale, Fla. Adv. July 1 to 22.	July 8
Aug. 3	Laguna Beach, Calif.	July 22
Aug. 3	Nunda, N. Y. Adv. July 22.	July 22
Aug. 5	Ft. Lauderdale, Fla. Adv. July 1 to 22.	July 8
Aug. 6	Hawthorne, N. J.	July 22
Aug. 12	South Haven, Mich. Adv. July 15 and 22.	July 15
Sept. 30	Santo Domingo, W. I.	July 22

Sewers

July 24	Detroit, Mich.	July 22
July 26	Leetonia, O.	July 8
July 26	Butler, N. J.	July 8
July 26	Spring Lake, Mich. Adv. July 15 and 22.	July 22
July 26	Detroit, Mich.	July 22
July 27	Longview, Wash.	July 15
July 27	Tampa, Fla.	July 22
July 27	New York, N. Y.	July 22
July 27	Smithville, Mo.	July 22
July 28	Delaware, O.	July 8
July 28	Phila., Pa.	July 22
July 28	Brooklyn, N. Y.	July 22
July 28	Arroya Grande, Calif.	July 22
July 30	Manitowoc, Wis.	July 22
Aug. 1	Birmingham, Ala.	July 8
Aug. 2	Towson, Md. Adv. July 15 and 22.	July 15
Aug. 2	Los Angeles, Calif.	July 22
Aug. 4	Delaware, O.	July 15
Aug. 5	Oklahoma City, Okla. Adv. July 22.	July 22
Aug. 3	Glendale, Calif.	July 22
Aug. 9	West Concord, Minn.	July 22
Aug. 10	Powell, Wyo.	July 15
Aug. 10	Ft. Lauderdale, Fla. Adv. July 12 to 22.	July 8
Aug. 11	Norristown, Pa. Adv. July 22.	July 22
Aug. 12	Ft. Lauderdale, Fla. Adv. July 8 to 22.	July 8
Aug. 12	Charleston, Mo. Adv. July 22.	July 22

Waste Disposal

Aug. 17	Memphis, Tenn. Adv. July 22.	July 22

Bridges

July 26	Kentucky	July 1
July 26	Clearfield, Pa.	July 22
July 27	Girard, O.	July 1
July 27	Indiana	July 15
July 27	New Brunswick, N. J. Adv. July 15 and 22.	July 15
July 28	Michigan	July 15
July 28	Michigan	July 22
July 29	Connecticut	July 15
July 29	Columbus, Kan.	July 15
July 29	Delphi, Ind.	July 22
July 30	Batesville, Ark.	July 15
July 30	Batesville, Ark.	July 15
July 30	Chicago, Ill.	July 22
July 30	Batesville, Ark.	July 22
July 31	Montgomery, Kan.	July 22
Aug. 2	Mississippi	July 1
Aug. 2	Chicago, Ill.	July 22
Aug. 2	New Jersey Adv. July 22.	July 22
Aug. 2	California	July 22
Aug. 3	Akron, O. Adv. July 15 and 22.	July 15
Aug. 3	Akron, O.	July 22
Aug. 3	Plymouth, Ind.	July 22
Aug. 5	Lyndon, Kan.	July 22
Aug. 6	Concordia, Kan.	July 22
Aug. 9	Morgantown, W. Va. Adv. July 15 and 22.	July 15
Dec. 1	Copenhagen, Denmark Adv. July 15 and 22.	July 15

Excavation, Drainage, Irrigation, Levees, River and Harbor

July 26	Brooklyn, N. Y.	July 22
July 29	Culross, Ont.	July 22
Aug. 10	Vero Beach, Fla.	July 15

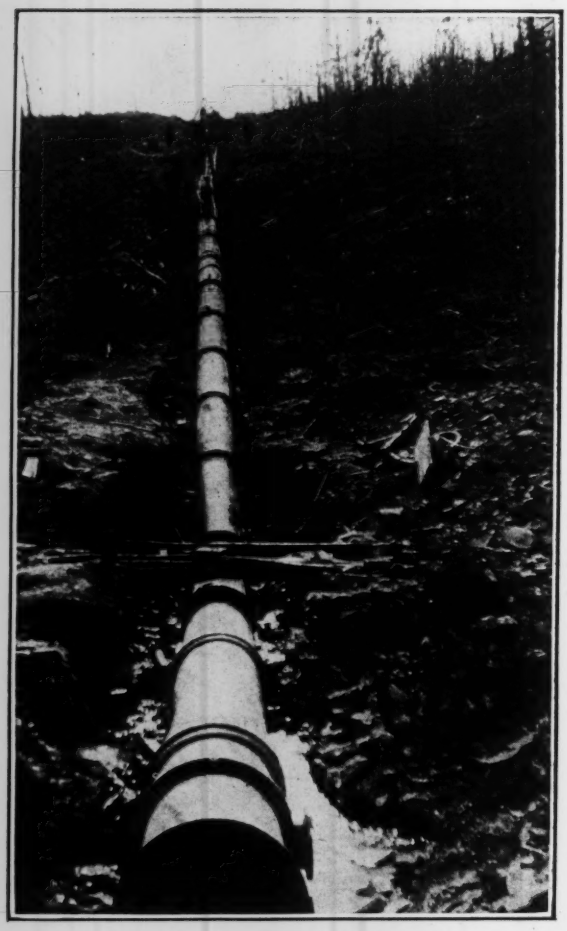
Streets and Roads

July 23	New Hampshire	July 15
July 23	New York, N. Y.	July 22
July 23	Everett (br. Boston), Mass.	July 22
July 24	Rocky Mount, N. C.	July 15
July 25	Michigan	June 17
July 26	Cedar Rapids, Ia.	July 15
July 26	Fairmont, W. Va.	July 15
July 26	Kentucky	July 8
July 26	New Jersey	July 8
July 26	Akron, O.	July 15
July 26	New Mexico	July 15
July 26	Muskegon, Mich.	July 22
July 26	Waynesburgh, Pa.	July 22
July 26	Hampton, Ia.	July 22
July 26	Topeka, Kan.	July 22
July 26	Prague, Okla.	July 22
July 26	Lawrenceville, Pa.	July 22
July 26	St. Lambert, Que.	July 22
July 27	Washington	July 15
July 27	Winamac, Ind.	July 15
July 27	Pennsylvania Adv. July 15 and 22.	July 15
July 27	St. Louis, Mo.	July 8
July 27	Louisiana	June 24
July 27	Columbus, O.	July 22
July 27	Tampa, Fla.	July 22
July 27	Greensboro, N. C.	July 22
July 27	Meadville, Pa.	July 22
July 27	Johnstown, Pa.	July 22
July 27	Maryland	July 22
July 27	Michigan	July 22
July 27	Hamilton, O.	July 22
July 27	Wenoka, Okla.	July 22
July 27	Chicago, Ill.	July 22
July 27	Council Bluffs, Ia.	July 22
July 27	Franklin, Ky.	July 22
July 27	Schleswig, Ia.	July 22
July 27	New York, N. Y.	July 22
July 27	Massachusetts	July 22
July 28	Alabama	July 15
July 28	Jacksonville, Fla.	July 15
July 28	Wisconsin	July 22
July 28	Illinois	July 22
July 28	Glencoe, Ill.	July 22
July 28	Baltimore, Md.	July 22
July 28	Brooklyn, N. Y.	July 22
July 29	Evansville, Ind.	July 15
July 29	Torrington, Conn.	July 22
July 29	New Ulm, Minn.	July 22
July 29	Caledonia, Minn.	July 22
July 29	Seneca, Kan.	July 22
July 30	Marion, Kan.	July 15
July 30	Cleburne, Tex.	July 22
July 30	Jourdanton, Tex.	July 22
July 30	Dayton, O.	July 22
July 30	Illinois	July 22
July 30	Marion, Kan.	July 22
July 31	Lakewood (br. Cleveland), O.	July 22
Aug. 1	Birmingham, Ala.	July 8
Aug. 2	Riverside, Ill.	July 15
Aug. 2	New Jersey Adv. July 22.	July 22
Aug. 2	California	July 22
Aug. 2	Indianapolis, Ind.	July 22
Aug. 2	San Diego, Calif.	July 22
Aug. 2	Minot, N. D.	July 22
Aug. 2	White Plains, N. Y. Adv. July 22.	July 22
Aug. 2	Huntingdon, W. Va.	July 22
Aug. 3	Norristown, Pa. Adv. July 15 and 22.	July 15
Aug. 3	Wabash, Ind.	July 15
Aug. 3	Wisconsin	July 22
Aug. 3	Bronxville, N. Y. Adv. July 22.	July 22

See proposal advertising on page 130

Constr. News page 55

TRADE "LEADITE" MARK
Registered U. S. Pat. Office



Section of 9 miles 30-in. and 36-in. pipe laid with LEADITE

LEADITE, like cast-iron pipe, has proven its durability.

LEADITE has been successfully tested and used for over 30 years for jointing all sizes of cast-iron bell and spigot water mains from 4 in. to 60 in. in diameter, under all pressures and conditions encountered in water-works construction.

Thousands of miles of pipe have been laid with LEADITE.

The most prominent water-works engineers, superintendents and contractors specify and use LEADITE on their work, because it is durable, economical and efficient.

LEADITE saves at least 75%.

LEADITE is the pioneer Self-Caulking Material for c.i. Pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close *See Eng. News-Record*

Aug. 3 Louisiana .....July 22
Aug. 3 Plymouth, Ind. .....July 22
Aug. 3 Florida .....July 22
Aug. 3 Maryland .....July 22
Adv. July 22.
Aug. 3 Valparaiso, Ind. .....July 22
Aug. 3 Crawfordsville, Ind. .....July 22
Aug. 4 Pittsburgh, Pa. .....July 22
Aug. 5 New York .....July 22
Adv. July 22.
Aug. 6 Brownstown, Ind. .....July 22
Aug. 9 Morgantown, W. Va. .....July 15
Adv. July 15 and 22.
Aug. 10 Pennsylvania .....July 22
Aug. 10 Hiawatha, Kan. .....July 22
Aug. 11 Delaware .....July 22
Adv. July 2.2
Aug. 15 Birmingham, Ala. .....July 22
Aug. 16 Morgantown, W. Va. .....July 22
Adv. July 22.
Aug. 28 Goshen, Ind. .....July 15

Buildings—Commercial

July 27 Boston, Mass. .....July 15
July 27 Tallahassee, Fla. .....July 22
July 28 Ocala, Fla. .....July 22
July 28 Racine, Wis. .....July 22
July 28 La Crosse, Wis. .....July 22
July 28 Pittsburgh, Pa. .....July 22
July 29 Boston, Mass. .....July 15
July 29 Milwaukee, Wis. .....July 22
July 30 Cleveland, O. .....July 22
Aug. 2 Cleveland, O. .....June 24
Aug. 2 Shaker Heights (mail Cleveland), O. .....July 22
Aug. 2 Grant, Neb. .....July 22
Aug. 2 Erie, Pa. .....July 22
Aug. 3 Alexandria, La. .....July 8
Aug. 5 Auburn, Calif. .....July 22
Aug. 5 New York, N. Y. .....July 22
Aug. 6 Oaklandon, Ind. .....July 8
Aug. 6 Sunnyside (mail Indianapolis), Ind. .....July 8
Aug. 10 Johnstown, N. Y. .....July 22
Aug. 12 Pascagoula, Miss. .....July 22
Sept. 1 Vancouver, B. C. .....Apr. 29
Nov. 15 Duluth, Minn. .....July 15

Buildings—Industrial

July 24 Gardner, Mass. .....July 15
July 30 London, Ont. .....July 22
Aug. 3 West Allis, Wis. .....July 22

Buildings—Educational, Religious

Bids close *See Eng. News-Record*

July 23 Muncie, Ind. .....July 22
July 26 Pelham (Ind. br. New York), N. Y. .....July 15
July 26 Wauwatosa, Wis. .....July 22
July 27 Aberdeen, S. D. .....July 8
July 27 Easton, O. .....July 15
July 27 New Richmond, Wis. .....July 22
July 27 Aberdeen, S. D. .....July 22
July 28 Little Neck (mail Douglaston), N. Y. .....July 15
July 29 Quincy (Boston P. O.), Mass. .....July 22
July 29 Chicago, Ill. .....July 22
July 29 Grass Lake, Mich. .....July 22
July 30 Elwood, Ind. .....July 22
July 30 Sayville, N. Y. .....July 22
Aug. 1 Hughesville, Pa. .....July 22
Aug. 2 Hartford, Conn. .....July 15
Aug. 4 Clayton, Mo. .....July 22
Aug. 4 Baltimore, Md. .....July 22
Aug. 4 San Francisco, Calif. .....July 22
Aug. 5 Oxford, Miss. .....July 22
Aug. 10 Muscatine, Ia. .....July 22

Federal Government Work

July 23 Breakwater—Providence, R. I. .....June 24
July 26 Dikes—Huntsdale, Mo. ...July 8
July 26 Heating—San Antonio, Tex. .....July 8
July 26 Warehouse and Dock—Duluth, Minn. .....July 22
July 27 Hospital — Northport, N. Y. .....June 10
July 27 Dredging—Stamford, Conn. .....July 15
Adv. July 15 and 22.
July 29 Dredging—Los Angeles, Calif. .....June 24
July 30 Stone—Cold Spring, N. J...July 8
Adv. July 8 to 22.
July 30 Stone—Wilmington, Del...July 15
July 30 Dredging—Portland, Ore...July 22
Aug. 2 Equipment, Wash., D. C...July 8
Adv. July 8 to 22.
Aug. 4 Utility Building—South Boston (sta. Boston), Mass....July 22
Adv. July 22.
Aug. 11 Refrigerating Plant—Coco Solo, C. Z. .....July 15
Adv. July 15 and 22.

Bids close *See Eng. News-Record*

Aug. 11 Dikes, etc.—Rockwood, Ill.July 22
Adv. July 22.
Aug. 11 Motors, etc.—Wash., D. C..July 22
Adv. July 22.
Aug. 16 Barracks—Ft. Benning, Ga.July 22
Adv. July 22.
Aug. 17 Extension—Buffalo, N. Y..July 22
Adv. July 22.
Aug. 17 Dredging—Chicago, Ill. ...July 22
Adv. July 22.
Aug. 18 Dam—Orlando, Calif. ....July 15
Aug. 20 Dredging—Providence, R. I. .....July 22
Adv. July 22.
Sept. 15 Quarters—Canacao, P. I...July 1

Unclassified

July 23 Swimming Pool and Bath House—Cleveland, O. ....July 15
July 23 Swimming Pool and Shelter — Phila., Pa. .....July 22
July 23 Grade Crossing — Phila., Pa. .....July 15
July 27 Steel Cages—Stuart, Fla...July 8
Adv. July 8 to 22.
July 27 Rip Rap, etc.—Newburyport, Mass. .....July 22
July 28 Air Compressor—Kings Park, N. Y. .....July 15
Adv. July 15 and 22.
July 30 Turbine, etc.—Marshfield, Wis. .....July 22
July 30 Special Work—Brooklyn, N. Y. .....July 22
Aug. 2 Grade Separation—Los Angeles, Calif. .....July 22
Aug. 2 Wiring, Plumbing, Heating, etc.—Phila., Pa. .....July 22
Aug. 5 Street Lighting System—Gouverneur, N. Y. .....July 15
Aug. 16 Turbo-Generator—Moose Jaw, Sask. .....June 24
Sept. 30 Crane Gantries, etc.—Otahuhu, New Zealand .....May 20
Nov. 1 Buildings, etc.—New Zealand .....July 1

Materials

July 23 Timber—New York, N. Y..July 15
July 29 Wire—Phila., Pa. .....July 22

News of New Work

Waterworks

Proposed Work

Pa., Pittsburgh—Ohio Valley Water Co., 101 Island Ave., McKees Rocks, made specifications laying 1,000 ft. 16 in. w.i. pipe under water and 800 ft. 16 in. c.i. pipe on land from Stowe Twp. Pumping Station, Neville Island across channel to McKees Rocks over Davis Island. J. N. Chester, Union Bank Bldg., engr.

Ga., Albany—Plans waterworks improvements. $35,000.

Miss., Natchez—Election soon $40,000 bonds for waterworks. L. A. Whittingham, mayor.

Tenn., Hohenwahl—Voted $55,000 bonds waterworks system. B. H. Klyce, 4th and 1st Natl. Bldg., Nashville, engr. Noted June 17.

O., Bay Village—Village soon takes bids, water main in 10 streets. $60,000. Wight-O'Rourke Co., Guarantee Title Bldg., Cleveland, engr.

O., Berea—Village, plans constructing 300,000 gal. storage tank, and repairing buildings, etc. G. Champe, Nasby Bldg., Toledo, engr.

O., Mt. Sterling—Jennings-Lawrence Co., Hartman Bldg., Columbus, plans 100,000 gal. steel elevated water tank and steel tower and remodeling pumping station of water works dept. here. $17,000.

Ill., Collinsville—Voted $40,000 bonds waterworks improvements, incl. deep well, deep well pump and mains from Jefferson Ave. to reservoir.

Ill., Niles Center—Postponed taking bids 200,000 gal. tank on 100 ft. tower, 4 ft. riders, etc. Consoer, Older & Quinlan, 140 South La Salle St., Chicago, engrs. Noted June 3.

Ia., Dubuque—Made plans 100 ft. steel stand pipe 32 ft. diameter, 4,200 or 5,000 gal. capacity centrifugal pump, etc. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Mar. 25.

Kan., Claflin—Voted $40,000 bonds new waterworks. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engr. Noted June 24.

Kan., Fairview—Plans waterworks system. $30,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Kan., Ft. Scott—Election Aug. 3, $100,000 bonds waterworks improvements. S. A. Sulentic, New England Bldg., Topeka, consult. engrs. Noted Apr. 29.

Kan., Robinson—Making plans waterworks system. $25,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

S. D., Vermillion—Election soon $25,000 bonds, improving water supply. C. L. Vaughn, city aud.

Mo., Deepwater—See "Sewers."

Mo., Kirkwood—Voted $150,000 bonds, reconstructing and extending waterworks. Noted June 24.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids, boiler, coal receiving and pump houses, intake, grit and mixing chambers, settling basins, conduits, sewers and appurtenances, at Howards Bend Waterworks Sta. on Missouri River, $2,000,000. J. Pritchard, dir.

Tex., Corpus Christi—Election July 30, $60,000 bonds, enlarging and extending mains to outlying districts; also pumping equipment, etc. H. Levinson, city engr.

Okla., Bunch—Making preliminary plans new waterworks. $17,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engr.

Okla., Geary—Made preliminary plans main extensions, incl. 15,600 ft. 4 and 6 in. c.i. mains, etc. $16,000. L. L. Young, mayor. Engineer not selected.

Okla., Greenfield—Making preliminary plans new waterworks, incl. c.i. mains, deep well pumps, etc. $17,000. Grantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Shawnee—Making preliminary plans waterworks improvements, incl. new well, pump, 19,000 ft., 6- and 8-in. c.i. mains, etc. Election soon $75,000 bonds for same. F. D. Brown, Shawnee, engr.

Okla., Taloga—Making preliminary plans new waterworks, incl. deep well pump, 10,100 ft. 4- to 8-in. mains, etc. $22,000. N. S. Sherman, 18 East Main St., Oklahoma City, engr.

Okla., Tishomingo—Made preliminary plans new filtration plant. $25,000. R. C. Hall, mayor. Engineer not announced.

Calif., Portola—Portola Water Co. plans 300,000 gal. reservoir and installing meters for entire system.

Calif., Santa Barbara—Making preliminary plans enlarging water mains and constructing additional reservoirs. To exceed $25,000. V. E. Trace, city water supt.

Bids Desired

N. Y., Brooklyn—July 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Bath, Crosby, Livonia Aves., etc., here.

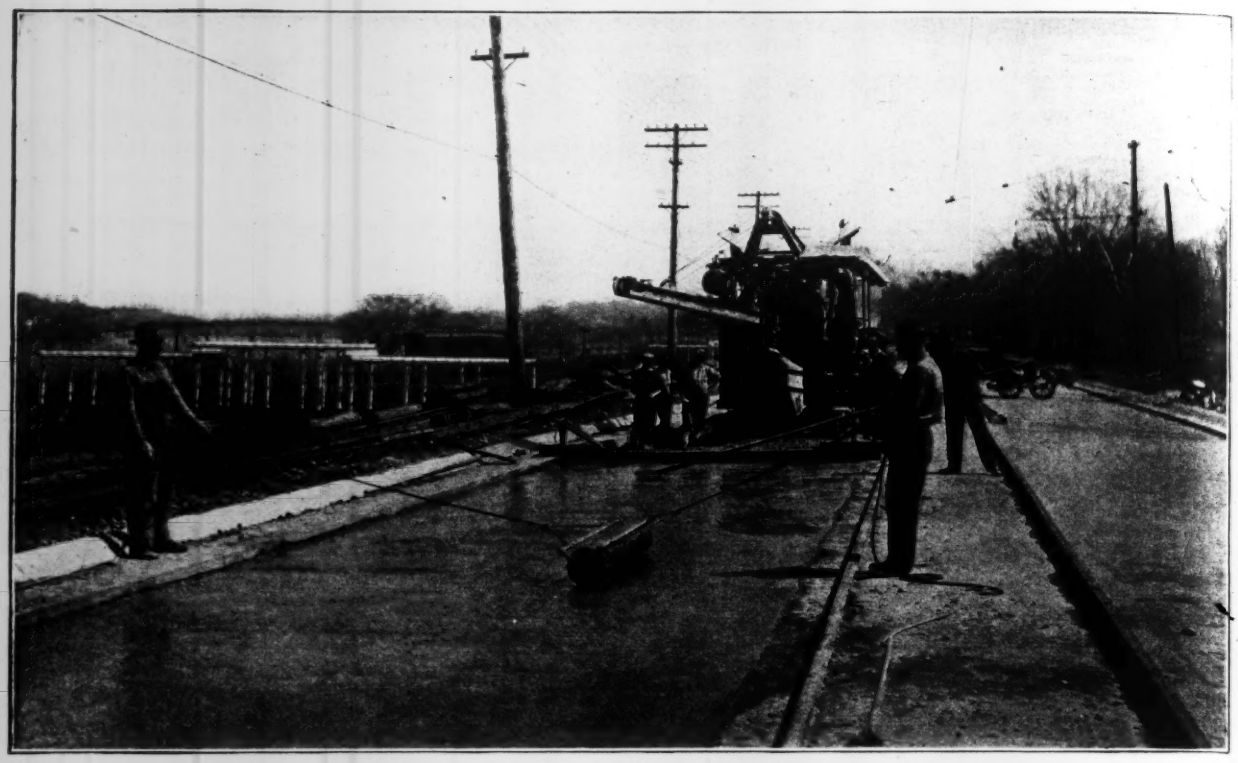
N. Y., Nunda—Aug. 3, by Bd. Trustees, 19,000 ft. c.i. mains, etc. J. P. Wells, 80 East Ave., Rochester, and 115 Bway., New York City, consult. engr.; adv. E. N.-R. July 22.

N. J., Hawthorne — Aug. 6, by Boro Comrs., School 1, Lafayette Ave., drilling artesian wells. H. J. Harder, 120 Market St., Paterson, engr.; adv. E. N.-R. July 22.

Pa., Oil City—July 26, by B. B. Weber, city engr., two 400,000 gal. steel standpipes on Rich Hill.

N. C., Liberty—July 29, by Mayor and Bd. Aldermen, constructing water and sewerage systems. Spoon, Lewis & Camp, Amer. Bank Bldg., Greensboro, consulting engrs.

Constr. News page 56



Car service of the Rockford Traction Co. was held up only a few days by this paving job. Engineer and contractor co-operated in using well-authenticated methods to obtain *strong* concrete in *3 days* for the pavement between rails. A. E. Rutledge of Rockford, contractor. Standard *Universal* cement, the same quality *Universal* regularly handled, furnished by Rockford Lumber & Fuel Co.

Quick-Hardening Concrete Saves Time on Street Car Paving Job

Street paving was holding up car service on the main line of the Rockford Traction Co. The company did not want to wait the time usually allowed for concrete to harden. It did not.

By using well-authenticated methods and standard *Universal* cement, the same quality *Universal* regularly used, the contractor was able to obtain strong concrete in *3 days* for the pavement between rails.

Detailed information on the methods for obtaining *strong* concrete in *3 days* with standard *Universal* cement will be sent promptly on request. Simply use the coupon below.

UNIVERSAL PORTLAND CEMENT CO.,
310 South La Salle Street, Chicago.
Please send me details on how to obtain *strong* concrete in *3 days* with standard *Universal* cement.

Name .....

Address .....

E N R 7-22

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

Mich., Detroit—July 24, by Dept. Pub. Wks., City Hall, costructing 2 pumping stations, one at West Chicago Blvd. and Mill Rd. and one at Plymouth Rd. and Tremon St. incl. 2 complete concrete or brick pump pits, 2 frame structures, etc; also furnishing and installing equipment. P. A. Fellows, City Hall, engr.

Ind., Huntingburg—Aug. 2, by Bd. Pub. Wks., constructing dam, spilling, gatehouse, pipe lines, etc., here. $30,388. H. Larsen, Boonville, engr.

Ill., Chicago — July 27, by Bd. Local Imprvts., Room 207, City Hall, water service pipes in various streets. J. J. Sloan, pres.

Kan., Ransom—July 29, by J. A. Graham, city clk., new waterworks system. $31,000. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs. Noted Apr. 29.

Mo., Branson—July 27, by I. W. Hereford, City Hall, clk., complete waterworks system, incl. one 700 ft. deep well, 100,000 gal. rein.-con. reservoir, deep well pump, etc. $36,000. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engr. Noted July 8.

Mo., Smithville—July 27, by J. E. Kindred, city clk., new waterworks system. $50,000. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted June 24.

Tex., Stanton—Aug. 2, by Martin Co. Valley View Water Control & Impvt. Dist. 1, c/o president, 3 wells approximately 100 ft. deep, three 10,000 gal. rein.-con. reservoirs, approximately 30 mi. galvanized screw pipe line, etc. Hawley & Roberts, Cotton Exch. Bldg., Ft. Worth, engrs. Noted Feb. 25.

Okla., Artus—July 27, by L. L. Smith, city clk., 92,000 ft. 24 in. wood pipe, tank on tower, softening and filter plant, low lift pumps, etc., and concrete dam across Red River at Lutgert, incl. 17,370 cu.yd. concrete, 29,200 cu.yd. earth and 9,200 cu.yd. rock excav. $675,000.

Calif., Laguna Beach—Aug. 3, by Laguna Beach County Water Dist., excavating, backfilling, and approximately 13 mi. 16 to 30 in. water pipe etc.

Ont., Toronto—Aug. 10, by T. Foster, mayor, City Hall, 24 in vertical gate valve $2,000. R. C. Harris, City Hall, engr.

Ont., Toronto—See "Contracts Awarded."

W. I., Santo Domingo—Sept. 30, by A. Pastoriza, secy. de Estado de Foremto y Comunicaciones, sewage system, waterworks, and paving various streets, for Dominican Republic. C. C. Young & Co., New York City, consult. engrs.

Bids Received

N. Y., Long Island—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Lotus Ave., etc., from Gregory Contg. Co., 351 East 24th St., New York City, $3,432; in 43rd, 35th Aves. and in 8th Ave. from Norton & Rigney, 137 ft., $5,944 and $6,936 respectively; in 34th, 35th, 37th Aves., etc., from Riverdale Water Works Corp., 335 East 113th St., New York City, $15,924. Noted July 8.

N. Y., New York—N. J. Hayes, comr. Supply, Gas & Electricity, Municipal Bldg., mains in Central Park from Beaver Eng. & Contg. Co., 51 Chamber St., $23,319. Noted July 8.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., July 13, mains in 1st, 2nd, West End Aves., etc. from Knight & DeMicco, Inc., 448 East Tremont Ave., $29,470 and in Forster Ave., 24th Rd., etc., from S. Galluci & Son, 32 Railroad Ave., Corona, $6,-745. Noted July 8.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, July 13, Contr. 800, from Keenan Supply Co., 2849 Germantown Ave. $16,920; and Contr. 834, from C. M. Brown & Co., Lafayette Bldg., $4,089. Noted July 8.

O., Wickliffe—Village, July 6, main in St. Clair Ave., from Marra Constr. Co., Union Trust Bldg., Cleveland, $20,087.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., constructing 622 ft. 6 to 12 ft. tunnels and concrete chambers at Water Works Park, from A. W. Phelps & Son, Ann Arbor, $158,400; also power cable and wiring, switchboard, etc., from Miller York Inc., 1523 East Congress St. $8,450. Noted June 17.

Minn., St. Cloud—J. D. McKenzie, city clk., constructing 3 m.g. filtration plant, incl. 750,000 gal. rein.-con. reservoir, and filter plant from A. G. Wahl & Son, St. Cloud, $76,000; and equipment, from F. T. Hildred & Co., 108 East 3rd St., St. Paul $22,000. Noted June 17.

Contracts Awarded

N. Y., Binghamton — State Hospital Comn., Albany, sanitary work, replacing and extending mains, etc., at Binghamton State Hospital, here, to T. Fischette, 122 Caroline St., Clyde, $34,165 and $29,115. Noted June 24.

W. Va., Williamson—Waterworks improvements, incl. distribution system to H. C. Brooks Co., Inc., Martinsburg, $67,329, filter plant, settling basins, clear wells, to Virginia Engineering Co., Newport News, Va., $116,000. Noted June 10.

O., Berea—For filter house addition, general contract, to Burnip Constr. Co., 223 East Broad St., Cleveland, $30,500; sterilizer, to J. B. Clow Co., 2338 South Western Ave., Chicago, Ill., $3,300. Noted Dec. 31.

O., Cleveland—Comrs. Cuyahoga Co., 8,-000 ft. 6- to 24-in. c.i. main in Lorain Ave., Impvt. 656, to Great Lakes Constr. Co., 6233 St. Clair Ave., $121,192. Noted July 15.

O., Columbus—Bd. Comrs. Franklin Co., O Moore, clk., 12,810 ft. 6- to 12-in. c.i. water pipe, etc., and 11,630 ft. 8- to 10-in. c.i. vitr sewer, both in Sewer Dist. 4, to B. Canini, 1705 Shawnee Ave., $23,652 and $18,051 respectively. Noted June 24.

O., University Heights—Village, laying water main in Conover, East Scarsborough, Glendon, Traymore, Edgerton Rds., to Marra Constr. Co., Union Trust Bldg., Cleveland, $19,468; North Park Blvd., Kerwick, Lakemont, Hadleigh, Loyola Rds., to J. B. Lynn Constr. Co., 16311 Saranec Rd., Cleveland, $22,683; also Fenwood and Miramer Rds., to A. Marra Co., Engineers Bldg., Cleveland, $13,175. Gran total $55,-326.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, 650 tons c.i. water pipe, to Glamorgan Pipe & Fdry Co., 122 South Michigan Blvd., Chicago, Ill. $30,875; and 40 tons special castings, to Amer. Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill. $3,853. Noted June 24.

Wis., West Allis—Bd. Pub. Wks., J. Ferebee, supt., approximately 15,000 ft. 6 in. c.i. mains in various streets to Ribbens Bros., Mayville, $52,202. Noted July 15.

Minn., St. Cloud—J. D. McKenzie, city clk., constructing 3 m.g. filtration plant, inc. 750,000 gal. rein.-con. reservoir, to A. G. Wahl & Son, St. Cloud $76,000; and equipment, etc. to F. T. Hildred & Co., 108 East 3rd St., St. Paul $22,000. Noted July 15.

Kan., Toronto—Waterworks system, to W. B. Carter, 606 United Bank Bldg., Sioux City, Ia., $34,000. Noted Feb. 11.

Okla., Norman—For two 110 hp. and one 55 hp. oil engines and five air compressors, to Ingersoll-Rand Co., Boatmans Bank Bldg., St. Louis, Mo. $26,310. Engrs. est. $30,000. Noted Feb. 25.

Okla., Okmulgee—For 22,000 ft. 36 in. c.i. flow line from reservoir to filter plant, to W. E. Callahan Constr. Co., Railway Exch. Bldg., St. Louis, Mo., $194,195. Noted June 3.

Ont., Toronto—East York Twp. will install water services, etc., in Dawes Rd., by day labor, $25,000.

Sewers

Proposed Work

Mass., Boston—Making plans sewerage works in Harwood, Rockwood and Whiting Sts., West Roxbury; from Albany St. to Harbor Boston Proper; also in Brayton Rd. and Morris St., Brighton. Approximately $25,000 each. J. H. Sullivan, Dept. Pub. Wks., engr.

Mass., Lynn—City, Sewerage Dept., rejected bids July 6. 1 story, 53 x 107 ft., brick sewerage pumping station and appurtenances. To exceed $25,000. M. Knowles, Inc., engrs., Pittsburgh, Pa., Work to be readvertised. Noted July 3.

Conn., Waterbury—Bd. Pub. Wks., plans laying sewers in various streets. $125,000-$150,000.

Ga., Homerville—Voted $40,000 bonds for waterworks and sewers.

Tenn., Springfield—Plans sanitary sewerage system. To exceed $25,000. C. H. Rickman, mayor.

O., New Boston (sta. Portsmouth)—City Council plans 6,750 ft. 12 to 24 in. vitr. storm sewer, here. $65,000.

O., South Euclid—Company, c/o W. H. Temblett, 10308 Euclid Ave., Cleveland, making plans sewer and water main in Blevoir Gardens Allotment. F. A. Pease Engr. Co., Marshall Bldg., engr.

O., West Jefferson—E. E. Gregg, city council clk., soon takes bids 22,380 ft. 8- to 18-in. vitr. pipe, etc. for sanitary sewer system incl. Imhoff septic tanks, here, for Jennings-Lawrence, Hartman Bldg., Columbus. $60,000.

Mich., Detroit—Dept. Pub. Wks., having plans prepared 22,256 ft. vitr. pipe and brick sewers in Lateral No. 4621, 4631, 4620, 4624, 4599, 4635, 4639, 4628. P. A. Fellows, City Hall, engr.

Mich., Grosse Pointe (Detroit P.O.)—Plans 3,691 ft. 6- to 30-in. sewers in Kerby Road, $25,000 G. R. Kerby, Kerby Rd., village clk.

Ill., Edwardsville—Making preliminary plans sewage disposal plant, etc. $50,000.

Ia., Sidney—Takes bids in August 30,000 ft. sanitary sewers and sewage disposal plant. $60,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted July 8.

Minn., St. Paul—Election in August $1,-500,000 bonds, Kittsondale Trunk Sewer in Midway Dist. $2,000,000 C. M. Shepard, city engr.

Ark., Little Rock—Sewer Impvt. Dist. 164 soon takes bids 20,000 ft. 8- to 18-in. sanitary sewers and 1 mi. storm sewers. $500,000. Ford & McRea, 215 Gazette Bldg., engrs.

Kan., Fairview—Making plans sanitary sewers. $30,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Mo., Deepwater—Voted $50,000 bonds, sanitary sewers and waterworks. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs. Noted July 15.

Mo., Rolla—Plans election $46,000 bonds, sewers in various streets. Former issue defeated. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs. Noted July 1.

Mo., St. Louis—See "Waterworks."

Tex., Corpus Christi—Election July 30, $65,000 bonds, extending sanitary sewer system. H. Levinson, city engr. Noted July 15.

Okla., Hunter—Made preliminary plans 3 mi. sanitary sewers, etc. $25,000. F. M. Hadley, mayor. Engineer not announced.

Okla., Marble City—Plans 4 mi. sanitary sewerage system in various streets. $30,-000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engr.

Okla., Ponca City—Making preliminary plans and surveys sewage disposal plant, incl. 3,300 ft. 12 in. and 7,100 ft. 15 in. vitr. clay pipe, Imhoff tank, etc. $30,000. E. A. Jones, Ponca City, engr.

Okla., Pond Creek—Made preliminary plans new sanitary sewerage system. $25,-000. J. H. Asher, mayor. Engineer not announced.

Okla., Wetumka—City rejected bids July 7, new sewage disposal plant and 3,400 ft. outfall sewers. $30,000. B. M. McFall, Wetumka, engr. Noted June 3.

Calif., Corona—Making surveys improving drainage system to handle storm waters. To exceed $25,000. Currie Eng. Co., Stoneman Bldg., Alhambra.

Calif., La Habra—Plans election $50,000 bonds, completing sewer system.

Calif., Los Angeles—Made plans 8- to 10-in. cement sewer in Blimp St. between Blake Ave. and Riverside Dr. To exceed $25,000.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Aug. 12, constructing sanitary sewer and concrete storm drain in Arroyo de la Sacatela Storm Drain Sect. 3. J. C. Shaw, 240 South Bway., city engr.

Calif., Weed—District to be formed to finance via bond issue, making preliminary plans, extending sewer, filter beds, septic tanks to serve Shastina, De Bons and Sullivan Addition. To exceed $25,000. H. B. Ream, City Hall, Mt. Shasta, engr.

Bids Desired

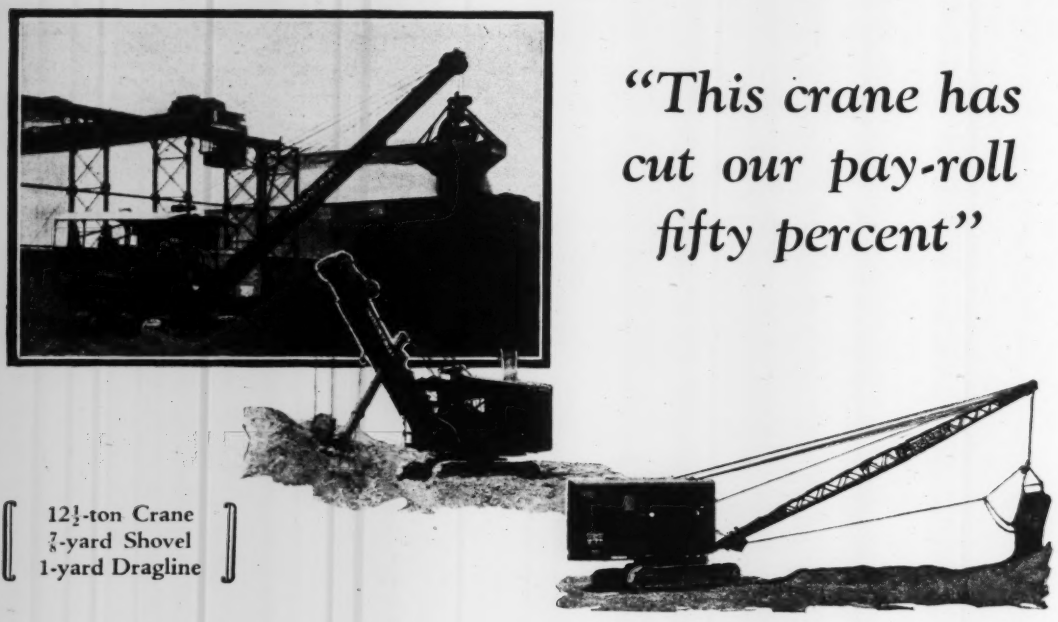
N. Y., Brooklyn—July 28, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewers in East 42nd St., 11th and Atlantic Aves., etc.

N. Y., New York—July 27 by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Barkley, Bailey and Hill Aves.

Pa., Norristown — Aug. 11, at Borough Hall, constructing southwest main intercepting sewer, etc., in various streets. Albright & Melus, 1502 Locust St., Phila., consult. engrs.; adv., E. N.-R. July 22.

Pa., Phila.—July 28, by Dept. Pub. Wks., Bureau of Engineering, Schedule A, main sewers in Fairmount Park between Wissahickon High Level and Lincoln Dr.;

Constr. News page 57



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Sewers (Continued)

Schedule B, sewage disposal project Wingbocking St. at Palethorpe St., Tacony Creek collecting sewer; Schedule C, elevating South Phila. track, Contr. 211. G. H. Biles, dir.

Fla., Tampa—July 27, by Comrs. constructing sanitary sewer between LaSalle and Arch Sts., 13th Ave., Maggio Ave., Massachusetts St., etc. $25,000. R. D. Martin, City Hall, engr.

Mich., Birmingham — See "Streets & Roads."

Mich., Detroit—July 26, Dept. Pub. Wks., concrete sewers in tunnel or open cut, 24,131 ft. Seven Mile Rd., Waveney, Curtis, Griener, Plymouth, State Fair Aves., etc. P. A. Fellows, City Hall, engr.

Mich., Spring Lake—July 26, by Village Council, constructing approximately 30,000 ft. vitr. sewer in open cut, and one small sewage pumping station, etc. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. July 22.

Wis., Manitowoc—July 30, by A. H. Zander, city clk., 24 in. concrete or vitr. trunk sewer in Northside between Waldo Blvd. and Lake Michigan. $100,000. F. A. Alter, City Hall, engr. Noted Mar. 25.

Ill., Roxana—See "Contract Awarded."

Wis., Brodhead—City, c/o J. Gardner, clk., taking bids sewerage system, incl. 21,-538 ft. 8- to 15-in. vitr. clay pipe, disposal plant, 6 flush tanks, etc. $25,000. W. G. Kirchoffer, Dean Bldg., engr. Noted Jan. 14.

Minn., West Concord—Aug. 9 (extended date), by F. M. Campbell, village recorder, 16,022 ft. 8- to 12-in. sanitary and 1,824 ft. storm sewers, etc., in various streets; also disposal plant. $40,000. Toltz, King & Day, Builders Exch. Bldg., St. Paul, engrs. Noted July 1.

Mo., Charleston—Aug. 12, by City, C. L. Joslyn, mayor, constructing 4 sewage pumping stations. L. T. Berthe, city engr.; adv. E. N.-R. July 22. Noted May 6.

Mo., Smithville—July 27, by J. E. Kindred, city clk., sanitary sewerage system. $30,000. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted June 24.

Okla., Oklahoma City—Aug. 5, by M. Peshek, Jr., city clk., North Side Sanitary Main Sewer Extension, Div. C. and North Side Sewage Disposal Wks., Div. D.; adv. E. N.-R. July 22.

Calif., Arroyo Grande—July 28, by City Trustees, 18,261 ft. 6- to 8-in. vitr. sewers and 5,220 ft. 4 in. vitr. house sewers, etc. $35,000. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engrs. Noted July 15.

Calif., Glendale—Aug. 3, by City Council, laying 50,764 ft. 8- to 10-in. vitr. sewer and 29,994 ft. 6 in. house sewer in Alexander St., etc., Sewer Dist. 6. Former bids rejected.

W. I., Santo Domingo — See "Waterworks."

Bids Received

Mass., Wakefield—Water Supply Bd., July 9, sewerage pumps, motors, pipe, etc., from E. H. Porter Co., 15 Wallis St., Peabody, $23,023. Noted July 8.

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, July 15, from Peconi Contg. Co., 606 Rugby Rd., sewers in Nostrand Ave., $1,741, same avenue $1,360, Bedford Ave., $720, West 9th St., $267 and East 28th St., $267; from Tomassetti & Co., Inc., 1074 60th St., in 71st St., $3,823 and from R. Iovino, 678 Glenmore Ave., Atlantic Ave., $374. Noted July 8.

Md., Baltimore—Bd. Awards 2,324 lin.ft. 15- to 21-in. vitr. drain, and 7,715 lin.ft. 8 and 10 in. sewer and drain, Sanitary Contr. 236, from J. J. Bresnan, Woodland Ave., $35,935

O., Akron—W. F. Peters, dir. Pub. Serv., July 15, **(e. e. means engineers est.)**, from L. Crano, J. Weeks & Co., 605 Peoples Savings & Trust Bldg., 3,090 ft. 8- to 30-in. vitr. clay sewer in La Follette St. et al, $14,256 e. e. $24,600, and 2,635 ft. 8- to 24-in. sewer, Corice St., $8,108 e. e. $14,800; from T. Zuppa, 55 North 11th St., Kenmore, 3,635 ft. 8- to 24-in. Crosier St., $12,-285 e. e. $26,500, 3,265 ft. 8- to 20-in., McKinley Ave., $9,064 e. e. $17,000, and 2,625 ft. 8- to 24-in., Kipling St., $8,986 e. e. $16,000; from Shullo & De Luca Constr. Co., 140 North Summit St., 2,450 ft. 12- to 48-in. Campbell St. et al, $22,581 e. e. $27,900. Noted July 8.

O., Parma (Cleveland P. O.)—Village, sewer and water mains combined, in Redfern Rd., from Sprague & Burkhardt, 11911 Browning Aves., $44,174; Luelda and Velma Aves., from D. Rosal-Marcelletti Co., 13701 Benwood Ave., $9,288 and $10,-728 respectively; and curb connections in Ridge Rd., from Gallagher & Burke Constr. Co., Rockefeller Bldg., $56,127. Noted June 10.

Wis., Madison—W. R. Winckler, city clk., July 1, twin grit chamber and grease extractor, 6 Imhoff tanks, 2 twin dosing tanks, sludge beds, piping, etc., from G. Nelson, 1117 West Johnson St., $164,100. Noted June 24.

Wis., West Allis — Bd. Pub. Wks., J. Ferebee, supt., July 9, vitr. or concrete storm sewers in various streets, from Wenzel & Henoch Constr. Co., 498 27th St., Milwaukee, $142,250.

Contracts Awarded

Mass., Brookline (Boston P. O.)—Bd. Selectmen, Town Hall, sewerage works in Village Brook Pathway, to C. & R. Constr. Co., 67 Harrison Ave. E., Rosindale, $135,-357. Noted July 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grit chamber, emergency sluice gate, etc. at proposed sewage treatment plant, in West and Marginal Sts. to T. A. Reilly Co., 25 West 43rd St., $97,387; also altering and improving sewers in Nassau St., etc., to P. J. Donlon Contg. Co., 84 Bway., Brooklyn, $12,874. Noted July 15.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, lateral sewers in Germantown Ave., to Mazzola & Marano, 739 South 7th St. $9,750; main sewers in Champlost Ave., to J. and R. Lombardi, Lincoln Bldg. $42,-573, Clinton St., to J. J. McHugh, 1619 Race St., $8,656, and Tioga St., to E. Pascuzzi, Lincoln Bldg. $94,138; also test borings, to J. E. Robinson, 5231 Catharine St. $3,300. Grand total $158,417.

Md., Baltimore—Bd. Awards, 2,324 lin.ft. 15- to 21-in. vitr. drain, and 7,715 lin.ft. 8 and 10 in. sewer and drain in Contr. 236, to J. J. Bresnan, Woodland Ave., $35,935.

Tenn., Oneida—Sanitary sewerage system to Calloway & Fisher Constr. Co., Lenoir City, $30,000.

Ky., Fulton—T. H. Chapman, city clk., 9 mi. 8- to 18-in. sewers and Imhoff tank, t oE. H. Hartig, 1 Park Dr., Evansville, Ind. $64,795. Noted June 17.

O., Akron—W. F. Peters, dir. Pub. Serv., **(e. e. means engineers est.)**, constructing 3,755 ft. 8- to 30-in. in Riverside Dr. et al 1, to E. W. McShaffrey, 574 Rhodes Ave., $17,180 e. e. $27,300; 3,370 ft. 8- to 42-in. sewer in Black St. et al, to T. E. McShaffrey Constr. Co., 173 Forge St., $26,290; 5,975 ft. 8- to 20-in. sewer in West Exchange et al, to McCourt Constr. Co., 369 South Main St., $32,169 e. e. $39,800; and 15,000 ft. 8- to 48-in. sewer in Riverside Dr. et al, to F. George, 1657 Mahoning Ave., Yougstown, $67,118 e. e. $86,450. Grand total $142,-757. Noted July 15.

O., Canton—J. A. Gossett, dir. Pub. Serv., constructing West Side Intercepting Sewer, to River Constr. Co., The Society for Savings Bldg., Cleveland, $199,561. Engrs. est. $200,000. Noted June 27.

O., Cincinnati—Comrs. Hamilton Co., constructing pumping station, and 29,327 ft. 6- to 15-in. vitr. clay, in Sewer 11, Dist. 3, Hamilton Co., to Hannon-Hugh Constr. Co., 911 Atlas Bank, $92,588. Noted July 15.

O., Parma (Cleveland P.O.)—Village, sewer and water main in Redfern Rd., to Sprague & Burkhardt, 11811 Browning Ave., Cleveland, $44,174, and Luelda and Velma Aves., to D. Rossi-Marceletti Co., 13701 Benwood Ave., $20,016; water main on Dawnshire Ave., to Gallagher & Burke Constr. Co., Rockefeller Bldg., Cleveland, $12,172; sewer in Dawnshire Ave., to W. McDowell & Son Co., 4120 East 104th St., Cleveland, $22,900; also curb connections in Ridge Rd., to Gallagher & Burke Constr. Co., $56,127. Grand total $155,389. Noted June 10.

O., University Heights—Village, sewer in Canover, East Scarsborough, Glendon, Traymore Rds., to Marra Constr. Co., Union Trust Bldg., Cleveland, $18,241; sewer in North Park Blvd., Kerwick, Lakemont, Hadleigh and Loyola Rds., to J. B. Lynn Constr. Co., 16311 Saranec Rd., Cleveland, $28,886; and sewer in Fenwood and Miramer Rds., to A. Marra Co., Engineers Bldg., Cleveland, $13,733. Grand total $60,-860.

O., University Heights—Village, constructing segmental block sewer in Meadowbrook Blvd., to Marra Constr. Co., Union Trust Bldg., Cleveland, $17,870; also brick sewer in Milford Ave., to J. B. Lynn Constr. Co., 16311 Saranec Rd., $10,385.

Ill., Roxana—Roxana Petroleum Corp., Shell Bldg., St. Louis, Mo., will construct 2 mi. 36 in. wood composition sewer from city to oil refinery, by own forces. $50,000. Private plans.

Wis., West Allis—Bd. Pub. Wks., J. Ferebee, supt., approximately 15,000 ft. vitr. or concrete sanitary sewers in various streets, to Wenzel & Henoch Constr. Co., 498 27th St., Milwaukee. Noted July 15.

Kan., Topeka—Pumping station, sewage treatment plant, outfall sewers, etc., to J. S. Harrison, J. S. Harrington, Omaha, Neb., $69,409. Noted July 8.

Kan., Toronto—Sanitary sewers and sewage disposal plant, to W. B. Carter, 606 United Bank Bldg., Sioux City, Ia., $50,000.

Minn., Mankato—F. W. Bates, city clk., constructing approximately 20,000 ft. 6- to 24-in. sanitary sewers in Lower System, to Christensen Bros., St. Paul $45,000 and approximately 30,000 ft. 6- to 30-in. in Upper System, to Breen Stone & Marble Co., Kasota, $107,600. Noted July 1.

Okla., Prague—Sanitary sewerage system and sewage disposal plant, incl. 35,240 ft. 6- to 12-in. pipe, Imhoff tank, etc., to D. Blackburn, Healdton, $59,000, engrs. est. $75,000. Noted June 17.

Wash., Seattle—Bd. Pub. Wks., sewers in 8th Ave. N. E., to Argenrieri & Co., 1819 Weller St. $45,315.

Calif., Alhambra—For 1,565 ft. 8 in. lap welded steel pipe (to be 25 lbs. ft. 20 ft. lengths for sewage pressure line), to Kelly Pipe & Machinery Co., 524 Mission St., $1.075 per ft.

Calif., Glendale—Trustees, to Gogo & Rados, 705 Bernard St., Los Angeles, improving Sewer Dist. 5, Chevy Chase Dr., etc., 38,988 ft. 8 in. vitr. pipe, $1.15 per ft., 16,735 ft. 6 in. house connections, $0.90, etc., total $92,375. Noted June 10.

Ont., Toronto—York Twp., approximately 3 500 ft. vitr. sewers in Methuen and Harkshaw Aves., and Easement St. to Riverdale Constr. Co., 15 Langley Ave. $27,205. Noted May 27.

Waste Disposal

Bids Desired

Tenn., Memphis—Aug. 17, at office C. C. Pashby, city clk., garbage and refuse destructor; adv. E. N.-R. July 22.

Contracts Awarded

Pa., Phila.—Dept. Pub. Wks., Bureau of Street Cleaning, 200 ton per day incinerator complete, 51st and Greys Ave., to Chain Grate Incinerator Co., Inc., 1942 Forbes St., Pittsburgh, $395,000. Noted June 3.

O., Grandview (Columbus P. O.))—See "Streets and Roads."

Bridges

Proposed Work

O., New Philadelphia — Tuscarawas Co. plans new 2 span steel bridge over Leg Creek. $35,000.

Wis., Two Rivers—Plans election $200,-000 bonds, constructing 94 ft. bascule type, steel and concrete clear span bridge, Washington St. R. Biehl, city mgr. Engineer not selected.

Kan., Richfield—Morton Co. plans forty-nine 21 ft. spans pile trestle bridge on Federal Aid Project 358-A. E. C. Dean, Richfield, co. engr.

Missouri — State Hy. Comn., Jefferson City, making plans 29 rein.-con., 4 steel truss and 2 I-beam bridges in 23 counties. B. H. Piepmeier, ch. engr.

Mo., St. Joseph—City making preliminary plans rein.-con. viaduct over South Park Tracks; also improving street from Hyde St. to Bartlett Park. $300,000. W. M. Spann, City Hall, engr.

Okla., Stillwater—Payne Co. election soon $1,000,000 bonds for roads and bridges.

Bids Desired

New Jersey—Aug. 2, by State Hy. Dept., Trenton, 2 bridges on Route 20, Sect. 6, between Franklinville and Malaga, Gloucester Co. A. L. Groved, secy.; adv. E. N.-R. July 22.

Pennsylvania—See "Streets and Roads."

Pa., Clearfield—July 26, by Comrs. Clearfield Co., J. E. Dale, pres., constructing 3 through steel girder span bridge over Susquehanna River, Riverview. $55,000.

O., Akron—Aug. 3, by W. F. Peters, dir. Pubc. Serv., substructure and approach walls for viaduct at East Exchange St. grade crossing. $42,900. E. A. Kemmler, Municipal Bldg., engr.

Ind., Delphi—July 29, by Comrs. Carroll Co., six 108 ft. span rein.-con. arch bridge. $115,000. D. B. Luten, 1056 Consolidated Bldg., Indianapolis, engr.

Constr. News page 58

Getting Out Gravel for Road Repair

YOU can about double your truck fleet's day's work capacity—make 6 trucks do the work of 12—by putting the cost of 1 extra truck into a HAISS Creeper Loader.

The HAISS machine will put up a five yard load in 2½ minutes—digging right from the bank. The quick get-away with a full load saves truck time that counts up in extra trips per day. On a short 2 mile haul you can get out two loads for every one you have been loading by hand. You get near-steam-shovel ability and loading capacity at half steam shovel cost.

Haiss Creeper Loader digging bank gravel from pit. Note that the broad creeper treads do away with the need of planking.

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Bridges (Continued)

Ind., Plymouth—Aug. 3, by Comrs. Marshall Co., constructing concrete arch bridge over Yellow River on line Garro St. $43,974. O. H. Weber, aud.

Michigan—July 28, by State Hy. Dept. at office, Genesee Co., Flint, superstructure steel deck girder. S. R. Bridge 251301 five 70 ft. spans 30 ft. roadway. R. W. Roberts, Saginaw, engr.

Ill., Chicago—July 30, by Dept. Pub. Wks., Room 406, City Hall, operators houses and enclosure walls for double-leaf trunnion bascule bridge over Calumet River at East 100th St. A. A. Sprague, comr.

Ill., Chicago—Aug. 2, by Dept. Pub. Wks., Room 406, City Hall, superstructure double-leaf trunion bascule bridge over Chicago River at North La Salle St. A. A. Sprague, comr. Noted June 24.

Wisconsin—See "Streets and Roads."

Kan., Concordia—Aug. 6, by Clerk Cloud Co., one 60 ft. span steel truss bridge on Federal Aid Project 185-B, and one 60 ft. span steel truss bridge on Federal Aid Project 200-B. L. T. Dudley, Concordia, co. engr.

Kan., Lyndon—Aug. 5 (extended date), by Clerk Osage Co., two 25 ft. I-beam spans and one 130 ft. steel truss span bridge on Federal Aid Project 264-E. F. C. Healea, Lyndon, co. engr. Noted July 15.

California—Aug. 2, by State Hy. Comn., Sacramento, three 54 ft. and one 30 ft. span rein.-con. girder bridge, grading roadway, etc., over Gaviota Creek. R. M. Morton, Forum Bldg., Sacramento, engr.

Bids Received

New Jersey—State Hy. Comn., Trenton, July 12, reconstructing bridge over Pensauken Creek, Route 2, Burlington and Camden Counties, from Mazzola & Marano, 730 South 7th St., Phila., Pa. $89,832. Noted June 24.

Wis., Racine—Dept. Pub. Wks., H. A. Nelson, comr., constructing 148 ft. double leaf underneath counter-weight type strauss trunnion bascule bridge, etc. over Root River at Main St., from Milwaukee Bridge Co., 1400 34th St., Milwaukee, $296,980. Noted June 10.

Kan., Manhattan—For two 35 ft. and one 70 ft. spans, steel bridge on Federal Aid Project 327-B, Riley Co., from Yancey Constr. Co., Abilene, $31,069. Noted June 10.

Nevada—See "Streets and Roads."

Calif., Los Angeles—Bd. Pub. Wks., from Salih Bros., Detwiler Bldg., constructing Riverside Drive-Dayton Ave. viaduct over Los Angeles River, arch centers, $12,000, 762,000 lbs. rein.-steel, $32,000, 9,650 cu.yd. concrete, $20.10, 1,734 cu.yd. earth fills, $1,090, etc., total $261,592. Noted June 10.

Calif., Los Angeles—Los Angeles Co., rein-con. bridge over Malibu Creek, from L. J. Bristow, 1915 Wilshire Blvd., Santa Monica, $78,275.

Calif., Red Bluff—State Hy. Comn., 515 Forum Bldg., Sacramento, three 70 ft. span rein.-con. girder bridge across Reeds Creek here, from Holdener Constr. Co., 2608 R. St., Sacramento, $31,262. Noted June 24.

Contracts Awarded

Mass., Dedham—Dept. Pub. Wks., Boston, 800 ft. concrete bridge and approaches on section highway, here, to Bouvier-Brien Constr. Co., Pawtucket, R. I. Engrs. est. $25,000. Noted July 15.

Connecticut—State Hy. Comn., 12 Washington St., Hartford, twin 14 ft. concrete slab bridge over Cotter Brook, New Hartford, to J. DiMicheil & Bro., Torrington, $6,487; also 38 ft. concrete girder bridge over Cherry Brook, Canton, to L. Suzio Constr. Co., Brooks and State Sts., Meriden, $17,359.

Ala., Mobile—Louisville & Nashville R.R. Co., 9th St. and Bway, Louisville, Ky., W. H. Courtenay, ch. engr., bridge across Mobile River, north of here, to Missouri Valley Bridge & Iron Co., Leavenworth, Kan., $1,003,000. Engrs. est. $1,100,000.

Tenn., Chattanooga—Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., B. Herman, ch. engr., rein.-con. viaduct (excluding steel span) over 3rd Ave., to M. K. Wilson Constr. Co., Tennessee Electric Power Bldg., Total est. $400,000. Noted May 27.

O., Cincinnati—Comrs. Hamilton Co., Court House, two span 90 ft. concrete slab bridge, Winton Rd., to H. L. Brite, Forest Hills, $22,500; also 3 span 135 ft. concrete slab bridge, Willey Rd., to Hanlon & Smith, Cleves, $29,917. Noted June 8 and July 15.

Ind., Ft. Wayne—Allen Co., two 106 ft. span rein.-con. arch bridge at Parnell Ave. over St. Joseph River, to I. E. Smith Constr. Co., Richmond, $82,900.

Wis., Gays Mills—Crawford Co. (Prairie du Chien), c/o J. N. Campbell, comr., Bell Center, constructing rein.-con. and steel bridge over Kickopoo River, here, to Hays & Warden, Eau Claire $28,400. Engrs. est. $28,000. Noted July 8.

Wis., Milwaukee — See "Streets and Roads."

Minn., Duluth—G. P. Phillips, city comr., constructing 192 ft. concrete and masonry bridge 52 ft. 24th Ave. West and 10th St., to A. A. Bodin & Sons, 302 Columbia Bldg. $56,812.

Nebraska—State Hy. Comn., Lincoln, constructing 450 ft. transverse joist girder span bridge over south channel Platte River near Brady, to General Constr. Co., Peters Trust Bldg., Omaha, $32,700.

Mo., Bosworth—Carroll Co. (Carrollton) and Chariton Co. (Keytesville), constructing 542 ft. steel span, 14 ft. in Carroll Co. and 104 ft. span in Chariton Co., with 175 ft. center span over Grand River near here, to Pan-American Bridge Co., Moberly, $39,946. Noted June 24.

Calif., Stockton—Supervs. San Joaquin, steel drawbridge over King Cut between King Island and Empire Tract, to Jenkins & Elton, 3560 Y St., Sacramento, $27,365. Noted June 17.

Dams

Bids Desired

Arkansas—See "Contract Awarded."

Okla., Altus—See "Waterworks."

Contracts Awarded

Mass., Foxboro—J. O. Taber, supt. Pub. Wks., 2 concrete and steel coffer dams, etc., at Lake Mirainchi, to F. P. Toner, North Attleboro. Engrs. ets. $25,000. Noted July 1 under "Unclassified."

Pa., Reading—City Council, concrete impounding dam on Maiden Creek, Berks Co., to McLean Contg. Co., Fidelity Bldg., Baltimore, Md. $398,410. Noted June 10.

Arkansas—E. K. Stanfield Co., Home Life Bldg., Little Rock, will build earth, timber and concrete hydro-electric dam on Big Creek near Pangburn, 41 to 76 ft. head, etc., also 76 mi. 33,000 No. 2 copper wire transmission line with creosoted poles from Heber Springs to Pangburn, Higgenson and Des Arc., with own forces, except 100,000 cu.yd. excavation to be sub-let. Private plans. $280,000.

California—Pacific Gas & Electric Co., 246 Market St., San Francisco, constructing Philbrook Dam, 80 ft. high, 360 ft. crest, on Phillbrook Creek, Plumas Co., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, approximately $250,000.

Railways

Contracts Awarded

Pennsylvania—Jones & Laughlin Steel Corp., 4th Ave. and Ross St., Pittsburgh, constructing 4 mi. railroad for coal development near Poland, Greene Co., to Buccanelly & Brown, Speer Rd., West Elizabeth.

Ohio—Pennsylvania Railway Co., Pittsburgh, Pa., grading and laying track for car storage yard at South Massillon Beach, here, to T. J. Foley Co., Fulton Bldg., Pittsburgh, Pa. Engrs. est. $60,000.

British Columbia—Canadian Pacific Ry. Montreal, Que., constructing approximately 1 mi. extension to switch yard Vancouver, incl. 50,000 cu.yd. fill and 6,000 yd. riprap to Cotton Co. Ltd., False Creek Yards, Vancouver, $40,000.

British Columbia — Vancouver Harbor Comr., 525 Seymour St., constructing road bed, from Terminal Ry. to North Shore, incl. 263,000 cu.yd. earth, and 7,000 cu.yd. rock excavation, 720 ft. 18 and 24 in. corrugated and 25,000 ft. cedar culverts, etc., to S. S. Magoffin & Co., Edmonton, Alta. $125,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Calif., Modesto—El Solyo Irrigation Dist. voted $278,000 bonds, irrigation works and steam power plant.

Calif., Oxnard—Oxnard Drainage Dist. 2, voted $130,000 bonds, constructing drainage canals.

Bids Desired

N. Y., Brooklyn—July 26, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., New York City, dredging channel from Barren Island to Mill Basin, Jamaica Bay, here.

Ont., Teeswater—July 29, by K. McKenzie, clk., Culross Twp., 145,000 cu.yd. earth and rock excavation in Teeswater River $160,000. W. C. McGeorge, Chatham, engr.

Bids Received

Mass., Cambridge (Boston P.O.)—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, July 8, rebuilding retaining wall northerly from Broad Canal, Charles River Reservation, Lower Basin Sect., from Bay State Dredging & Constr. Co., 62 Condor St., East Boston, $53,175.

Mass., Edgartown—Dept. Pub. Wks., Boston, July 7, dredging 20,000 cu.yd., and constructing 2 stone jetties, etc., Cape Poge Bay, here, from Bay State Dredging & Constr. Co., 62 Condor St., East Boston, $31,708.

Contracts Awarded

Mass., Boston—Schoolhouse Dept., excavating for 2nd Unit High School, to J. C. Coleman & Son, 1620 Tremont St., Roxbury, $76,000. Noted June 24.

La., Shreveport—Caddo Levee Dist., W. A. Kerley, secy., 2,000 ft. bank protection on Red River, 32 mi. below here, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb. $35,700. Noted July 5.

Ark., Texarkana—McKinney Bayou D. D., H. M. Barney, secy., outlet drainage ditch from sluiceway of district to Red River, incl. 100,000 cu.yd. excav., to George Bros. Constr. Co., Texarkana, at $0.127 per cu.yd.

Ia., Cascade—Dubuque and Jones Counties Flood Protection and D.D.1, earth and rock excav., drains, flood gates, walls, etc., to T. J. Mulgrew, Dubuque. Noted June 17.

Ia., Onawa—Monona Co., 201,622 cu.yd. excav. in Oliver Lake D.D., to F. Grundson, Mt. Dodge, $25,099.

British Columbia—See "Railways."

Streets and Roads

Proposed Work

Mass., Boston—Plans granite block paving Arklow St. $25,000. J. H. Sullivan, comr. Dept. Pub. Wks., engr.

Mass., Boston—Plans constructing Midvale Rd., Eldridge Rd. and Nathan St. and as highway. $25,000. J. H. Sullivan, comr. Dept. Pub. Wks.

N. J., Plainfield—Mayor, City Council, and Union Co. (Elizabeth) plan asphalt paving East and West 7th Sts., here. $343,060. A. W. Vars, engr.

W. Va., Charleston—Washington Dist., Kanawha Co., voted $61,000 bonds improving 5 road projects. R. R. Barton, Charleston, co. engr. Noted June 24.

Ala., Gadsden—Soon takes bids paving various streets. $44,000.

Ga, Albany—Election soon $30,000 bonds paving various streets.

Ga., Sattenville—Echols Co. plans election soon $50,000 bonds improving roads.

Ga., Thomasville—Voted $90,000 bonds, paving various streets. Robert & Co., Bona Allen Bldg., Atlanta, engr. Noted Apr. 1.

La., Lake Charles—Soon takes bids grading and rein.-con. paving 6 mi. various streets. E. L. Gorham, City Hall, engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids in September, grading, etc. 8 mi. Nashville-Dickson Rd., from Federal Aid Project 74 to 205, Davidson Co. To exceed $25,000. C. N. Bass, comr.

Tenn., Greensville—Greene Co. voted $59,000 bonds, constructing and maintaining roads.

Tenn., Huntsville—Scott Co. making surveys constructing 20 mi. Huntsville-La Follette Rd. $100,000.

Tenn., Knoxville—Knox Co. plans expending $225,000 during 1926 for repairing and maintaining roads. J. V. Trotter, Knoxville, co. judge.

Tenn., Linden—Perry Co., County Court, election soon $50,000 bonds, improving various roads.

Tenn., Marysville—Blount Co. plans improving Wears Valley Rd. to Hendricks Gap. $35,000 appropriated.

Tenn., Murfreesboro—Rutherford Co. and State Dept. Highways & Pub. Wks., Nashville, plans improving 10 mi. Murfreesboro-Shelbyville Rd. (state road 10). C. N. Bass, highway engr.

Tenn., Tiptonville—Lake Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Tipton-

Constr. News page 59

Streets and Roads (Continued)

ville-Kentucky State line Rd., State Road 78. C. N. Bass, highway comr.

O., Canton—Stark Co. plans improving ½ mi. Rosylin Ave., from Tuscaraws St. to 12th St. extension. $30,000. W. E. Sarner, Canton, engr.

O., Canton—Bd. Control soon takes bids asphalt paving, etc. Clark Ave. from 15th to 20th Sts., $30,000, Greenfield Ave. from Navane Rd. Southwest to 17th St., $25,000, and Maple Ave. from end of present paving to corporation line, $40,000. W. E. Sarner, City Hall, engr.

O., Cincinnati—Hamilton Co. plans grading and tar bound macadam repaving 13,781 ft. Struble Rd. from I.C.H.39 to I.C.H.40. $52,028. E. A. Gast, Court House, engr.

O., Cincinnati—Hamilton Co. plans grading and concrete paving, etc., 51,000 sq.yd., Cornell Rd. from 1-C-H 19 to Cincinnati-Zanesville Rd. $187,044. E. A. Gast, Court House, engr.

O., Columbus—R. H. Simpson, city engr. made plans grading, curbing and paving 12,095 sq.yd., Huron, Fremont, Guernsey Aves. brick $80,798 asphalt $73,157.

O., Mt. Gilead—Morrow Co. plans macadam paving 3.28 mi., Pagetown-Marengo Rd. $60,000.

O., Portsmouth—City engr. making plans grading, curbing, cement sidewalks, vitr. brick, hard burned brick, cement or asphalt paving Catalpa Alley, Sycamore, Ritchie, Laurel Sts. $68,600. T. Edwards, city clk.

O., Steubenville—Comrs. Jefferson Co., Steubenville, soon take bids paving 9,309 ft. Steubenville-Fings Rd. $135,000 brick or $108,000 concrete. V. Penn, Steubenville, engr.

Michigan—W. W. Laver, res. engr. Plymouth, takes bids about Aug. 2, concrete paving 2.288 mi. F. A. 74, Sec. A.; 0.93 mi. Sec. B. and 1.177 mi. Sec. C. 20 and 40 ft. Washtenaw Co. for State Hy. Dept. Lansing.

Michigan—H. C. Fleming, res. engr., Grand Rapids, takes bids about Aug. 3, concrete paving 3.2 mi. S.T.L.24-32. 18 ft. Muskegon Co. for State Hy. Dept., Lansing.

Michigan—State Hy. Dept., R. W. Roberts, resident engr., Saginaw, takes bids about July 22, grading 10 mi. F. A. 240 Sec. A. Genesee Co.

Mich., Detroit—Making plans, berea, or concrete curbing, 3½ in. sheet asphalt on 8 in. concrete paving 117,130 sq.yd. Elsmere, Cameron, Shoemaker, Ellsworth, Alaska, Aurora, Mapleridge, Washburn, and Kentucky Aves. $196,200. P. A. Fellows, City Hall, engr.

Mich., Fordson—Making plans, concrete curbing, one course 8 in. concrete paving 73,070 sq.yd. Special Assessment Districts No. 119, 133, 134, 141, 142, 143, 144, 145, 146, 147, 151, 152, 153, 154, 156, 166. Hubell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mich., Holt—Village takes bids about July 20, concrete paving 0.75 mi. Delki Ave., 30 ft.

Mich., Wyandotte—Made plans grading, curbing, and 8 in. concrete paving 13,998 sq.yd. in special assessment Dists. 57, 60, 61, and 62. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids June 9, widening and concrete paving Route 19, Sect. 86-W-1, Cook Co. F. T. Sheets highway engr. Noted June 24.

Ill., Galesburg—Plans grading, curbing, guttering, removing old paving and paving 13 blocks North Prairie St. $94,291. A. L. Richey, City Hall, engr.

Ill., Kankakee—Soon takes bids grading, curbing and paving Duane St. and 5th Ave. $32,000 and $33,000 respectively. C. F. Gregg, assistant city engr.

Ill., Mt. Vernon—Takes bids about Aug. 1 grading, curbing and concrete paving various streets. $90,000. C. Hammond, City Hall, engr. Noted May 27.

Ill., Staunton—Takes bids latter part August, grading, curbing and paving 8,200 ft. Main St., Highway 4, 30 ft., State Hy. Dept. will pave center 18 ft.; also rein-con. paving in city, to connect with State Highways 4 and 16. $114,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engr. Noted Apr. 29.

Wis., Waupaca—Waupaca Co. voted bond issue graveling 69.2 mi. and concrete paving 43.15 mi. Trunk Highways 18, 95, 26, 76, 54, 22 and 49. J. Huffcut, highway comr.

Ia., Mt. Pleasant—Plans 7 in. concrete paving approximately 30,000 sq.yd. various streets. M. G. Hall, Centerville, engr.

Constr. News page 60

Kan., Dodge City—Ford Co. election Aug. 3, paving 30 mi. roads.

Missouri — State Hy. Comn., Jefferson City, making plans grading 162.7 mi. roads in 23 counties. R. H. Piepmeier, ch. engr.

Mo., Joplin—Making praliminary plans asphalt on 6 in. concrete paving 14,175 sq.yd. various streets. S. P. Ashcraft, Jr., City Hall, engr.

Mo., Joplin—Soon takes bids warrenite bitulithic paving, etc. 11 blocks Fall St. S. P. Ashcraft, Jr., City Hall, engr.

Mo., Moberly — Plans election $500,000 bonds improving various streets.

Mo., Puxico—Voted $25,000 bonds paving various streets.

Mo., St. Joseph—See "Bridges."

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids amiesite paving, etc., 3,120 sq.yd. Berthold Ave. $24,200; asphalt paving, etc., 3,425 sq.yd. Alsace St. $9,800, and 6,675 sq.yd. Sublette St. $47,400; concrete paving, etc., 540 sq.yd. alley in City Block 1966, $2,050; asphaltic concrete paving, etc., 1,240 sq.yd. Odell St. $9,100, 950 sq.yd. Summitt Pl. $7,050, 560 sq.yd. Lea Pl. $3,900, 7,850 sq.yd. Pennsylvania Ave. $53,900, 735 sq.yd. Tilden St. $4,900; warrenite bitulithic paving, etc., 980 sq.yd. Robert St. $6,500, 3,885 sq.yd. Fillmore St. $26,500; rein.-con. paving, etc., 1,615 sq.yd. Baden St. $9,800, 460 sq.yd. Cologne St. $3,150, 630 sq.yd. Dresden St. $3,900; also repairing Ferry St. Sewer, $14,500, and 1,750 ft. 8- to 15-in. vitr. clay sewers in Harlem Creek Sewer 24 and Filmore St. Sewer 8. W. W. Honer, 300 City Hall, engr.

Mo., Springfield—Soon takes bids natural rock lithomastic paving, etc. 10,665 sq.yd. South Jefferson Ave. and Monticello Sts. S. R. Fisher, City Hall, engr.

Calif., Long Beach—Plans election $500,000 or more bonds, grading and paving, etc., portions of Ocean Blvd., Lime Ave., etc.

Calif., Long Beach—Making plans paving Long Beach Blvd. between Willow St. and north city limits. To exceed $300,000. R. D. Van Alstine, city engr.

Calif., Red Bluff—Making plans vitrolithic concrete paving portions of Washington, Pine and Oak Sts. To exceed $25,000. W. F. Luning, city engr.

Calif., San Luis Obispo—Made plans improving Mill, Santa Rosa Sts., etc., 106,245 sq.ft. 6 in. concrete paving, 10,360 sq.ft. concrete walks, 455 lin.ft. concrete curbing, 668 sq.ft. concrete curbing and guttering L. W. Moore, city engr.

Calif., South Pasadena (Ind. br. Pasadena)—Making plans 5 in. asphalt paving, etc., Meridian Ave., Rollins, Oliver Sts., etc. To exceed $25,000.

Bids Desired

Massachusetts—July 27, by State Hy. Dept. Pub. Wks., Boston, bituminous macadam paving 38,563 ft. in Winchenden, North Attleborough, Southborough, Wareham, Ashland, Millbury, Wilmington, Webster, Lee and Hanson. W. F. Williams, Dept. Pub. Wks., engr.

Mass., Everett (br. Boston)—July 23, by Bd. Pub. Wks., constructing granolithic sidewalks, 20,000 sq.yd. in various streets. $50,000. J. Chambers, City Hall, c

Conn., Torrington—July 29, by J. N. Macdonald, hy. comr., constructing concrete highway approaches, 3,812 ft., Torrington Waterbury Rd.

N. Y., Bronxville—Aug. 3, by Westchester Co. Park Comn., 72 Pondfield Rd., grading, etc. portion of Hutchinson River Parkway Extension, and 4 stone rein.-con. bridges in Hutchinson River Parkway Extension, White Plains. J. Downer, ch. engr. adv. E. N.-R. July 22.

New York — Aug. 3, by A. W. Brandt, comr. Highways, Albany, improving and bridging roads in Nassau, Orange, Orleans, Otsego, Schuyler, Ulster and Wyoming Counties; also reconstructing roads in Columbia, Franklin, Livingston, Ontario, Madison, Nassau, Orange, St. Lawrence and Schenectady Counties; adv. E. N.-R. July 22.

N. Y., Brooklyn—July 28, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, granite block repaving North 6th St., grading West 37th St., and grading and asphalt paving Rutland Rd., Brooklyn, Lefferts, Rockaway Aves., etc., and East 28th, 30th and 71st Sts.

N. Y., New York—July 23, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, etc. Andrews Ave. from Tremont to Burnside Aves., etc.

N. Y., New York—July 27, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, etc. Barnes Ave., and grading and paving Timpson Pl., and Plimpton and Sheridan Aves.

N. Y., New York—July 27, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and granite block on concrete repaving West St., etc.

N. Y., White Plains—Aug. 2, at office F. L. Merritt, clk. Bd. Supervs., Court House, paving 0.91 mi. in Mamaroneck and 0.17 mi. in Mt. Kisco; adv. E. N.-R. July 22.

New Jersey—Aug. 2, by State Hy. Comn., Trenton, grading, rein.-con. paving, etc. 16,311 sq.yd. Route 4, Sect. 34A, Cliffwood-Keyport Cutoff, Monmouth Co. A. L. Grover, secy. adv. E. N.-R. July 22.

Pennsylvania — Aug. 10, by State Hy. Dept., Harrisburg, waterbound macadam on rein.-con. paving approximately 57 mi. and constructing rein.-con. and steel bridge in 17 counties. W. H. Connell, engineering executive and deputy secy.; adv. E. N.-R. July 22.

Pa., Johnstown—July 27, by City Council, M. L. Masterson, supt., bituminous paving, etc., 2,000 ft. Russell Ave.; brick paving, etc., 18,500 ft. Frederick and North Sheridan Sts.; also concrete paving, etc., 21,000 sq.yd. Wise, Shank, Glitch, Salamon Alleys, etc. H. L. Wilson, city engr.

Pa., Meadville—July 27, by G. S. Maxwell, city clk., 3 in. brick on concrete and asphalt paving, etc., 3,900 yd. various streets; adv. E. N.-R. July 22.

Pa., Pittsburgh—Aug. 4, by Controller Allegheny Co., bituminous penetration on slag paving, etc., 9,265 ft. Glen Mitchell Rd., $75,000; vitrified brick on concrete paving, etc., 2,300 ft. Baldwin St. $30,000, and 5,560 ft. Beaver Rd. $75,000. County Dept. of Pub. Wks., 519 Smithfield St., engrs.

Pa., Waynesburgh — July 26, by Town Council, R. L. Summersgill, pres., grading, paving, etc., 1,758 ft. Bridge St.; and 1,625 ft. Park Ave.

Delaware—Aug. 11, by State Hy. Dept., Dover, grading and concrete paving 1.68 mi. Richardson Park-Lancaster Pike, Constr. CN30; 0.80 mi. Rogers Corner-Eden Park, Co(ntr. CN31A; and 4.2 mi. Selbyville-Williamsville Contr. OS55. adv. E. N.-R. July 22.

Maryland—July 27, by State Hy. Comn., Baltimore, sheet asphalt paving, etc., 0.46 mi. State Highway along Belair Rd. between Franklin and Hamilton Aves., Contr. BC-63, Baltimore Co. J. N. Mackall, Garrnett Bldg., chn.

Maryland—Aug. 3, by State Rd. Comn., Baltimore, roads in Frederick Co. Contr. F-94, and Montgomery Co. Contrs. M-71 and M-73. J. N. Mackall, chn.; adv. E. N.-R. July 22.

Md., Baltimore—July 28, by Bd. Awards, concrete paving 9,370 sq.yd. Contr. 357, and sheet asphalt paving 11,200 sq.yd. Contr. 355. S. Purcell, City Hall, engr.

Va., Lawrenceville—July 26, by G. W. Wesson, mayor, grading, sidewalks and paving 16,000 sq.yd. various streets. $43,000. Benton, Benton & White, Wilson, N. C., engrs.

W. Va., Huntington — Aug. 2, by Bd. Comrs., grading, curbing and paving 9th Ave. from 14th to 16th Sts. and Riverside Dr. from 22nd to Bernard Sts. A. B. Maupin, city engr.

W. Va., Morgantown—Aug. 16, by Magnolia Co. court, W. L. Parks, pres., improv- mi. Bula-Miracle Run Rd., 24 ft., Battelle Dist. A. J. Baritell, co. engr.; adv. E. N.-R. July 22.

N. C., Greensboro—July 27, by P. C. Painter, city mgr., hard surface paving 200,000 sq.yd. roadway. $500,000. R. Warrren, Greensboro, engr. Noted July 8.

N. C., Rocky Mount — July 24, by Bd. Comrs., P. C. Shore, chn., grading, excavating and 112,940 sq.yd. concrete paving, etc., here.

Florida—Aug. 3, by State Rd. Dept., Tallahassee, grading, etc., 7.89 mi. road in Franklyn Co. J. L. Cresop, Tallahassee, engr.

Fla., Tampa—July 27, by Comrs., 2½ in. asphaltic block on shell paving 10,000 sq.yd. Taleafeno and Broad Sts., $30,000, 17,400 sq.yd., North B St., $40,000, also 15th Ave., $50,000. R. D. Martin, City Hall, engr.

Ala., Birmingham — Aug. 15, by City Comn., asphalt on concrete paving 7 blocks streets and alleys, 40 and 60 ft. $35,150.

Ky., Franklin—July 27, by City Council, P. E. Lewis, mayor, grading, curbing, etc., and rock asphalt paving 24,060 sq.yd. various streets. $50,000. Klyce & Harrub, 4th and 1st Natl. Bank Bldg., Nashville, Tenn., engrs. Noted June 17.

O., Columbus—July 27, by W. H. Duffy, dir. Pub. Serv., grading, curbing, paving, etc., 38,005 sq.yd., Brexton, Primrose, Thornwood Places, Meadow Rd. and Indianola, Melrose, Milford Aves. brick $332,524, asphalt $301,850.

Streets and Roads (Continued)

O., Dayton—July 30, by G. F. Baker, dir. Pub. Service, rein.-con., brick, vibrolithic concrete and asphalt, approximately 4,500 ft. Livingston, Weaver, Summit and 4 alleys. $75,000. J. F. Hale, city engr.

O., Hamilton—July 27, by Comrs. Butler Co., furnishing material and resurfacing 27,456 lin.ft. Taylorville Rd. $32,000. E. O. Roll, clk.

O., Lakewood (br. Cleveland)—July 31, by Comrs. Cuyahoga Co., paving Hafermalz Court, Athens Ave. and Warren Rd. To exceed $25,000. E. A. Fisher, City Hall, engr.

Ind., Brownstown — Aug. 6, by Comrs. Jackson Co., paving Schluesemeirs Rd. $35,-891. S. Carr, Brownstown, aud.

Ind., Crawfordsville—Aug. 3, by Comrs. Montgomery Co., concrete paving Thomas Rd. $84,416. B. E. May, Crawfordsville, aud.

Ind., Indianapolis — Aug. 2, by Comrs. Marion Co., concrete paving, etc., Keystone Ave., $31,232. H. Dunn, 3615 Carrollton Ave., aud.

Ind., Plymouth—Aug. 3, by Comrs. Marshall Co., paving Bliley, Jacobson, McVey Rds. $35,651. O. H. Weber, Plymouth, aud.

Ind., Valparaiso—Aug. 3, by Comrs. Porter Co., paving 1.96 mi. Buchanan and Tratebas Rds. $26,421. B. H. Kline, aud.

Michigan — July 27, by W. W. Lavers, res. engr., Plymouth, grading 4.847 mi. A. D. 1120, Sec. B, 56 ft., Macomb Co., for State Hy. Dept., Lansing.

Mich., Muskegon—July 26, by City Comn., I. L. Christiansen, city clk., concrete paving 5,300 sq.yd. Lake Michigan Parking Oval, 20 and 25 ft., and concrete or sheet asphalt paving 20,000 sq.yd. Lake Shore Drive, 16 to 20 ft. H. J. Lewis, City Hall, engr.

Illinois—July 28, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick, or bituminous concrete, with or without binder course paving 2.2 mi. Route 3, Sect. 1-15-D, 18 ft., Cass Co. F. T. Sheets, ch. highway engr.

Illinois — July 28, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete, with or without binder course paving 2.15 mi. Route 42, Sect. 112-W, 20 ft., Cook Co. F. T. Sheets, ch. highway engr.

Illinois — July 30, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, also by City of Freeport, concrete, vitr. brick, or bituminous concrete, with or without binder course widening Sect. 19-W to 30 ft. F. T. Sheets, ch. highway engr.

Ill., Chicago — July 27, by Bd. Local Impvts., Room 207, City Hall, grading, curbing, guttering, sewers and 7 in. concrete, asphalt on 8 in. concrete, 8 in. concrete, 5 in. granite block, 1 limestone, asphalt on 6 in. concrete, 2 in. asphaltic concrete paving various streets and alleys. J. J. Sloan, pres.

Ill., Glenco—July 28, by Village, grading, etc., and rein.-con. paving 42,000 sq. yd. Sheridan Rd. Windes & Marsh, 598 Birch St., Winnetka, engrs.

Wisconsin—July 28, by State Hy. Comn., Madison, concrete paving, etc. 24,663 sq.yd. Spring Green-Dodgeville-Mineral Point Rd., Federal Aid Project 411-B; also constructing 400 ft. plate girder, steel and concrete Spring Green Bridge. J. T. Honaghey, ch. engr.

Wisconsin—Aug. 3, by W. Halbersleben, comr. Sauk Co., Baraboo, grading and concrete paving, etc. 3,215 sq.yd. streets in La Valle; and 3,915 sq.yd. and 1,912 ft. guard rail, etc. Main and La Valle Sts., Reedsburg.

Ia., New Hampton—July 26, at office Aud. Chickasaw Co., gravel surfacing, etc., 9 mi. secondary roads. Address county engineer.

Ia., Schleswig — July 27, by O. A. Holander, city clk., grading, curbing, guttering and sheet asphalt, Warrenite bitulithic, asphaltic concrete, concrete, Johnson method or vibrolithic concrete paving various streets. $190,000. J. H. Mayne, 103 Pearl St., Council Bluffs, engr. Noted July 8.

Minn., Caledonia — July 29, by T. J. Schlitz, village clk., paving, etc., approximately 37,554 sq.yd. various streets. $90,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted Mar. 11.

Minn., New Ulm — July 29, by W. P. Backer, city clk., paving 32,018 sq.yd. Bway. $40,000. E. D. Minium, city engr.

Kan., Hiawatha — Aug. 10, by Clerk Brown Co., grading and bridging 9.978 mi. Federal Aid Project 348-A. S. K. McCrary Co., Hiawatha, co. engr. Noted July 8.

Kan., Independence—July 31, by Clerk Montgomery Co., grading 0.325 mi. and seven 30 ft. deck girder spans bridge on Federal Aid Project 332-A. H. K. Hibbard, Independence, co. engr.

Kan., Marion—July 30, by Clerk Marion Co., concrete or brick surfacing 0.125 mi. Federal Aid Project 218-A, 0.416 mi. Federal Aid Project 290-A, and grading, culverts, etc., on 10.747 mi. same road Sect. B. C. H. Hartsock, Marion, co. engr.

Kan., Seneca—July 29, by Clerk Nemaha Co., grading, etc., 7.727 mi. Federal Aid Project 225-D. L. P. Price, Seneca, co. engr. Noted July 8.

Kan., Topeka—July 26, by Clerk Shawnee Co., concrete surfacing 3.727 mi. Federal Aid Project 355-A, and 1.997 mi. California Ave. C. Wasson, Topeka, co. engr. Noted July 1.

N. D., Minot—Aug. 2 (extended date), by City, paving approximately 36 blocks various streets. $125,000. A. G. Hagenstein, city aud. Noted July 15.

Mo., Cape Girardeau—City Clerk takes bids about July 15, grading and 6 in. concrete paving, etc. 9,275 sq.yd. Louisiana Ave. and Themis St. $28,095. E. S. Sailor, City Hall, engr.

Tex., Cleburne—July 30, by C. H. Teesdale, city engr., alternate types paving approximately 30 blocks various streets. $70,000.

Tex., Jourdanton—July 30, by J. V. Curnutte, engr. Atascosa Co., improving 4.633 mi. Jourdanton-Pleasanton Highway 9, 18 ft. $91,300. Noted June 10.

Okla., Prague — July 26, by B. Neiswander, city clk., grading, curbing and concrete paving 12,200 sq.yd. Bway. $39,957. H. W. Hartman, Prague, engr.

Okla., Wewoka—July 27, by D. R. Fraser, city clk., grading, curbing and concrete paving 7,650 sq.yd. alleys. $30,246. G. R. Conner, Wewoka, engr.

California—Aug. 2, by State Hy. Comn., Sacramento, concrete paving 6.8 mi. road between top of Mountain Springs Grade and Myers Creek Bridge, San Diego and Imperial Counties. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., San Diego — Aug. 2, by A. H. Wright, city clk., improving Upas, Redwood Sts., etc., 1½ in. asphaltic concrete on 4 in. concrete paving 500,046 sq.ft., 13,336 lin.ft. curbing, 3,028 sq.ft. guttering, etc. F. A. Rhodes, city engr.

Calif., Los Angeles—Aug. 2, by Supervs. Los Angeles Co., improving approximately 7½ mi. 87th St., etc., Co. Impvt. 455. To exceed $75,000. J. C. Shaw, City Hall, engr.

Que., St. Lambert—July 26, by I. R. Beatty, 17,910 lin. ft. concrete sidewalks.

W. I., Santo Domingo — See "Waterworks."

Bids Received

Mass., Boston—Dept. Pub. Wks., July 9, sheet asphalt or bitulithic paving various streets, Ward 9, from H. F. Malley, 96 Tyndale St., West Roxbury, $21,366; also recut granite block paving Washington St., from B. E. Grant Co., 100 Floyd St., Roxbury, $47,957. Noted July 8.

N. Y., Bronxville—Westchester Co. Park Comn., 72 Pondfield Rd., grading, etc., portion Hutchinson River Parkway, Extension, from Mamaroneck Ave. to Westchester Ave., Contr. 107, from Smith Bros., Pelham, (a) $198,700 (b) $200,700. Noted July 1.

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, July 15, from J. M. Fox, 270 Herkimer St., grading Atkins Ave., $2,426 and Drew Ave. $2,108, from Castle Bros., Snyder Ave. and Johnson Pl., East 34th St. $3,445 and East 93rd St. $2,351. from Grimm Contg. Co., 170 McKinley St., Hegeman Ave. $1,123, and from Palladino Eng. Corp., 1479 Park Ave., New York City, Troy Ave. $4,187; from M. J. O'Hara, Neptune Ave. and West 19th St., Coney Island, grading and asphalt paving Argyle Rd. $5,069, Clarendon Rd. $9,284, East 34th St. $6,087, Kings Highway $17,022, Avenue L $8,450 and Avenue T $2,806, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Bedford Ave. $6,659 and Maple St. $7,646; from Boro Asphalt Co., 1301 Metropolitan Ave., Forbell Ave. $4,986; from Cranford Co., 52 9th St., Glenmore Ave. $2,504 and North 6th St. $15,317; from Uvalde Asphalt Paving Co., 1 Bway., New York City, Livonia Ave. $2,391, Lott Ave. $3,454 and Riverdale Ave. $12,345; from Hastings Pavement Co., 25 Broad St., New York City, 26th St. $2,256; from B. Turecamo Contg. Co., 8706 16th Ave., 84th St. $14,610, 64th St., $7,666, 67th St., $5,735, 72nd St., $6,133, 73rd St., $5,916, 94th St., $5,518. Noted July 8.

New Jersey—State Hy. Comn., Trenton, July 12, grading and rein.-con. paving Sussex-Hamberg Rd., Route 8, Sect. 8, Sussex Co., from Salmon Bros., Netcong, $304,867. Noted June 24.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, July 15, from Union Paving Co., 123 South 21st St., grading Broad St. $55,-987, paving, etc., Spring Garden St. and Parkway Dr., $27,901, and furnishing asphalt paving mixtures, $62,000; from Good Roads Eng. Co., City Center Bldg., furnishing Lutz asphalt heaters, $299; and from Service Supply Corp., 20th and Venango Sts., oil tank wagons, etc., $1,950.

O., Akron—W. F. Peters, dir. Pub. Serv., July 6, **(e.e. means engrs. est.)** from T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing and asphalt paving 10,100 sq.yd. Eastland Ave., $48,087, e.e. $63,500; 3,940 sq.yd. Schumacher St., $21,-317, e.e. $26,700; 6,985 sq.yd. Raymond St., $44,705; e.e. $56,700; and 20,650 sq.yd. West Exchange St., $102,188, e.e. $140,000. Noted June 24.

Contracts Awarded

Maine—State Hy. Comn., Augusta, bituminous macadam paving 1.9 mi. in Calais, to Burpee Constr. Co., Gardener, $65,655; gravel paving 3.01 mi., Goulds-boro, to F. Williams, 26 Fiske St., Revere, $56,145; 2.87 mi. Strong-Avon, to A. D. Bridges, Hazardville, Conn., $53405, 4.35 mi. Federal Aid Project 96-A, to Litchfield & Douglas, Brunswick, $84,611, and 3.75 mi., Federal Aid Project 94-A, to Williams & Serento, 71 Myrtle St., Boston, Mass., $56,080. Grand total $315,896. Noted July 15.

Massachusetts—Dept. Pub. Wks., bituminous macadam paving highway in Millis Co., to W. H. Hinman, Medway, $19,227; highway in Bedford Co., to Greenough Constr. Co., South Acton, $25,454, highway in Weston, to Middlesex Constr. Co., Framingham, $41,454; highway in Lexington Co., to Perini & Ampolini, Plainville, $32,377; highway in Webster Co., to C. A. Haggerty, Webster, $13,122; and bituminous concrete surfacing, Franklin and Washington Sts., East Bridgewater, to Washburn & Sheridan, Taunton, $14,633. Grand total $146,267. Noted July 15.

Mass., Brookline (Boston P. O.)—Bd. Selectmen, Town Hall, paving Chestnut Hill Ave. to J. McCourt Co., 910 Huntington Ave., Boston, $19,357. Engrs. est. $25,000. Noted July 8.

Mass., North Adams—For asphalt paving River St., to D. F. McGrath, $26,544. Noted July 15.

Mass., Waltham (Ind. br. Boston)—Curbing, sidewalks, granolithic, sheet asphalt and stone paving, etc., to P. O'Malley, 72 Massasoit Ave., Waltham. Engrs. est. $25,000.

Connecticut—J. A. Macdonald highway Comr., Hartford, bituminous macadam paving 19,277 ft. highway in Wilton and Westport and trap rock macadam paving 14,023 ft. in Farmington, to L. Suzio Constr. Co., State St., Meriden, $120,477 and $88,501 respectively; stone macadam paving 5,400 ft. in Preston and rein.-con. paving 4,415 ft. in Columbia and Windham to F. D. Miller, Norwich, $39,151 and $22,299 respectively; asphalt paving 8,232 ft. in Manchester, to E. Balf Co., State St., Meriden, $137,594; rein.-con. paving 13,150 ft. in Waterford and Montville to M. A. Gammino Constr. Co., 728 Valy St., Providence, R. I., $119,-008; grading, etc. 14,382 ft. in Westport and Fairfield, to Connecticut Natl. Paving Co., 173 Orange St., New Haven, $63,250; and grade crossing elimination in Farmington, to D. T. Allman, Waterbury, $16,642. Grand total, $606,922. Noted July 15.

Connecticut—For 6 in. gravel surfacing, 3,568 ft. Rubber Ave., in Naugatuck, to D. V. O. Firone, New Haven, $15,474, engrs. est. $15,000; grading and drainage 14,382 ft. road. Buckley-Blacksmith sections, in Westport-Fairfield, to Connecticut Natl. Paving, Inc., 173 Orange St., $63,250, engrs. est. $65,000; 8 in. rein.-con. paving 13,150 ft. in Waterford-Montville, to M. A. Gammino Constr. Co., 728 Valley St., Providence, R. I., $119,008, engrs. est. $120,000; 19,277 ft. 2½ in. bituminous macadam on 7 in. stone base, and 14,023 ft. 7 in. trap rock macadam, in Wilton, Westport and Farmington Twps., to L. Suzio Constr. Co., State and Brooks Sts., Meriden, $208,978, engrs. est. $210,000; 5,400 ft. 7 in. stone macadam paving, and 4,415 ft. 5 and 8 in. rein-con., in Columbia, Windham, Preston Twps., to F. D. Miller & Co., 43 Bway., Norwich, $61,450, engrs. est. $65,000. Grand total $623,634.

R. I., Providence—Resurfacing Roger Williams Park, to J. McCormick, East Providence, Engrs. est. $25,000. Noted June 24.

Constr. News page 61

Streets and Roads (Continued)

New York—A. W. Brandt., comr. Highways, Albany, **(e.e. means engineers estimate)** improving 5.55 mi. Repair Contr. 1534, Highways 5300,693 and 5299, Suffolk Co. to H. J. Mullen Contg. Co., Inc., 139-39 Jamaica Ave., Jamaica, $145,873, e.e. $188,-185; 3.27 mi. Repair Contr. 3.50, Highway 5147, Westchester Co. to Lowell Grossman & Co., Poughkeepsie, $306,889 e.e. $374,383; 5.31 mi. Highway 8254, Delaware Co. to H. W. Patterson, Hornell, $238,527, e.e. $322,738; 5.03 mi. Highway 8259, Cortland Co. to Tyne & Willey, Binghamton, $246,-968 e.e. $306,340; 1.51 mi. Repair Contr .3147 and 1522, Highway 658, Warren Co., to Van Wirt Co., Inc., Glens Falls, $79,494, e.e. $91,884; 0.3 mi. Repair Contr. 1532, Highway 5096, Montgomery Co., to Koetteritz & Blakeslee, Little Falls, $12,201 e.e. $12,884; 4.9 mi. Highway 5709 and 8240, Seneca Co., to Cleveland & Sons Co., Brockport, $263,-052 e.e. $350,665; 7.43 mi. Highway 8253, Allegany Co. to P. N. Carll, Olean, $385,429 e.e. $501,968; 6.65 mi. Highway 8255, Cattaraugus Co., to H. W. Patterson, Hornell, $368,880 e.e. $502,237; 1.25 mi. Highway 8196-A. Rockland Co. from Carroll & Rice, New York City, $84,412 e.e. $102,215; 0.42 mi. Highway 5200-A, Chenango Co. to J. F. Paddelford, Shelburne $35,823, e.e. $46,368; 3.17 mi. Repair Contr. 1533, Highway 131, Erie Co. to M. Kranz, New York City, $201,-724 e.e. $280,223. Grand total $2,284,860. Noted June 24.

New York—A. W. Brandt, comr. Highways, Albany, constructing 2.5 mi. Highway 8250, New Jersey State Line-Nyack Road, Part 1, Rockland Co. to S. J. Groves & Sons Co., New Haven, Conn., $181,293, engineer's estimate $202,899. Noted June 3.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., curbing and sheet asphalt paving Jacobus Pl. to Interboro Asphalt Co., 2306 Creston Ave., $11,-983; and Cumming St., to J. McCarthy, 88 Audubon Ave., $13,713. Noted July 15.

N. Y., Brooklyn — J. A. Guilder, pres. Brooklyn Boro, Boro Hall, to R. Lynster, 454 East 49th St., grading and flagging Bedford Ave., $2,258; to J. Meehan & Son, 90 West St., New York City, grading and granite paving Croamer St., $13,411; to Uvalde Asphalt Paving Co., 1 Bway., New York City, grading and asphalt paving Ashford St., $6,426, to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn Ave. $3,058, and East 29th St. $3,729; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Bedford Ave. $10,390, Greene Ave. $35,900, Watkins St. $16,705, and 47th St. $6,403, to B. Turecamo Contg. Co., 8706 16th Ave., East 7th St. $13,027, 85th St. at 21st Ave. $6,316, and 85th St. to 24th to 25th Aves. $6,251, to M. J. O'Hara, Neptune Ave. and West 19th St., Quentin Rd. $3,508, Avenue T $4,471, and 90th St. $2,533. Grand total $134,385. Noted July 15.

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, to F. J. Gallagher, 490 Park Pl., granite repaving Marginal St. in lines 29th St. $14,992; same street in lines 35th St. $15,109, also granite paving and approaches same street from Flatbush Ave. to Mill Basin $7,748. Grand total $37,849. Noted July 15.

N. Y., St. George — J. A. Lynch, pres. Richmond—Boro, Boro Hall, grading and concrete paving Clove Ave. from Hylan Blvd. to Fingerboard Rd., to F. J. Zarelli, 390 Carey Ave., $22,299; and concrete sidewalks on Sharon and Forest Aves., to J. Johnson Sons, 445 Bway., West New Brighton, $4,405. Noted July 15.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, waterbound macadam paving, etc., 15,965 sq.yd. A. 1788 and 1833, Warren Co., to J. C. Devine Co., Alliance, O., $50,451, and 49,881 sq.yd. R. 122, A. 4039, Perry Co., to J. M. Hutchison, Altoona, $117,551; rein.-con. paving, etc., 28,418 sq.yd. R. 339, Sect. 2, Schuylkill Co., to Swanger & White, 2nd and Canal Sts., Lebanon, $114,363, 14,-795 sq.yd. R. 50-L, Somerset Co., to W. H. Wilkey, Uniontown, $55,950, 11,456 sq.yd. R. 480, A. 4089, Westmoreland Co., to Gray Bros., 817 Salt Spring St., Youngstown, O., $40,193, 20,043 sq.yd. A. 4010, Westmoreland Co., to Payne-Yost Constr. Co., 1101 Diamond Bank Bldg., Pittsburgh, $90,667, and 14,682 sq.yd. R. 7, Sect. 3, Allegheny Co., to R. H. Cunningham & Son, 617 Penn Ave., Turtle Creek, $115,173. Grand total $584,348. Noted June 10 and 24.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving, etc. 35,148 sq.yd. R.448, Crawford Co., to J. C. Devine Co, Alliance, O $127,871; 54,302 sq.yd. R.203, A.3925, Armstrong Co., to C. Winters Constr. Co., Butler, $287,170; 5,672 sq.yd. R.88, Sect. 7 and 8, Warren Co., to Tower Co., Warren $21,493; 19,611 sq.yd. A.4003, Westmoreland Co., to J. C. Mickey, Latrobe $79,480; 12,074 sq.yd. R.59, Clearfield Co., to J. B. Trevler, Lewistown $50,709; and 8,181 sq.yd. A.3941, York Co, to York Eng. & Constr. Co., York $96,859. Grand total $663,582. Noted July 1 and 8.

Constr. News page 62

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to J. F. Nalen & Sons, 6th St. and Church Lane, grading Clarkson, Magnolia and Queen Sts. $2,208, to T. H. Neely, 27th and Ritner Sts., Folsom St. $378, Hutchinson, Marshall, Percy and Sheridan Sts. $1,628, Yocum St. $1,165, and 18th St. $595; to Mack Paving & Constr. Co., Nicetown and Luzerne Sts., asphalt paving (assessment work), Calvert St. $7,449, and Ellet St. $21,968, to Barber Asphalt Co., 239 North 30th St., Summerdale St. $26,283, 17th St. $4,967 and 46th St. $42,743, to E. Foster Co., Inc., improving Clarkson Rd. $5,720, Luzerne Rd. $9,372, 65th Ave., Medary, 11th and 12th Sts. $12,846, and Sufolk Rd. $12,007, to F. Leewight, 424 Seville St., Hermitage and Sector Sts., $1,-998, to Curtis Bros., Unruh and State Rds., Linden St., $1,673; to Clarks Iron Fdry., 35th and Grays Ferry Rd., inlet and manhole castings $151,130; to J. B. McHugh, Jr., 892 North Markoe St., constructing steel smoke sheathing for Stokley St. Bridge and painting same $2,325 and $1,677; and to Miller Robinson & Co., C and Sedgley Sts., furnishing oil and timber for Bridge and Sewer Depts. $4,312. Grand total $176,444.

Pa., Waynesburg—Borough Council, vitr. brick paving College and Wayne Sts., to W. K. Reed, Waynesburg, $34,159.

Md., Baltimore—Bd. Awards, grading, curbing and concrete paving 5,470 sq.yd. Contr. 349 to Arundel Contr. Co., Knickerbocker Bldg., $13,913 and sheet asphalt paving 7,530 sq.yd. Contr. 348 to P. Flanigan & Son, Hartford Rd. & Baltimore and Ohio R.R., $31,365.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,950 sq.yd. streets listed in Contr. 347 to P. Flanigan & Sons, Hartford Rd. and Baltimore & Ohio R.R., $34,172. Noted June 17.

W. Va., Morgantown—Monongalia Co. rock base surfacing Evansdale Pike, to Keeley Constr. Co., Morgantown, $72,856. Noted June 3.

W. Va., Ripley—Grand Dist., Jackson Co. grading 8 mi. State Route 2, to Echols Constr. Co., Charleston, $96,793.

North Carolina—State Hy. Comn., Raleigh, grading and plain concrete paving 11.97 mi. road, Cumberland Co., to Highway Eng. & Constr. Co., Selbyville, Del., $276,527. Noted May 20.

North Carolina — State Hy. Comn., Raleigh, grading and plain concrete paving 3½ mi. road in Currituck Co., to Roberts Paving Co., Salisbury, Md., $82,285.

Fla., Bradentown—Manatee Co., constructing 19 mi. of the Edgeville-Sugar Blvd., and Myakka City-Hardee Co. roads, to McDonald Constr. Co., Lakeland, $184,666.

Ala., Auburn—City Clerk, asphalt on concrete paving 10 blocks Gay and College Sts., 50 and 60 ft., to Couch Constr. Co., Auburn, $50,000. Engrs. est. $50,500. Noted June 17.

Ala., Birmingham—To Southern Roads Co., 14 North 17th St. **(e. e. means engineer's estimate)**, asphalt on concrete paving 4 blocks 3rd St. W. and 10th Ave., $19,-546, e.e. $20,000, 4 blocks 9th Court W. 50 ft. $19,811, e.e. $20,000; grading and asphalt on concrete paving 8 blocks 4th Ave. S., 60 ft., $79,019 e.e. $80,000; to H. N. Bowdry, Alabama Power Co. Bldg., asphalt on concrete paving 5 blocks 70th St. and 4th Terrace, $23,225, e.e. $25,000; to Dunn Constr. Co., Lincoln Life Bldg., 3 blocks 17th Ave. S., 50 ft. $13,849, e.e. $14,200; to H. Hamm, 1st Natl. Bldg., 4 blocks 10th Ave. W., 50 ft., $14,615, e.e. $15,000. Grand total $170,065. Noted Apr. 29.

Miss., Canton—Madison Co., improving 7.38 mi. Road Dist. 1, 13,000 tons gravel, 312 ft. corrugated iron culverts, etc., to Hennington & Ross, Crystal Springs, $22,-875; gravel surfacing, to Crystal Gravel Co., Crystal Springs, $13,630.

Miss., Starksville—Mayor and Board Aldermen, paving north and south Jackson St., to Elkins & Bond, Starksville, $34,651.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, 6 and 8 in. concrete paving 11.61 mi. from Kingston to Loudon Rd. line, 18 ft., Federal Aid Project 45-A, Roane Co., to Davis Constr. Co., Walton Bldg., Atlanta, Ga., approximately $330,800. Noted July 1.

Tenn., Oneida—For 6 in. concrete paving 27,000 sq.yd. various streets, to Foster & Kelley Constr. Co., Harlan, Ky., $60,000.

O., Akron—W. F. Peters, dir. Pub. Serv., **(e. e. means engineers est.)**, to T. E. McShaffrey Constr. Co., 173 South [illegible] St., grading, curbing and brick asphalt paving Blanche St. et al, $118,753 e. e. $[illegible]; East North St., $65,362 e. e. $[illegible]; Diagonal Rd. 1, $22,326 e. e. $[illegible] asphalt paving Diagonal Rd. 2, $[illegible] e. e. $68,400; Snyder St. et al, $36,384 e. e. $[illegible]; Lane St., 20,267 e. e. $[illegible]; also West South St., $68,692 e. e. $[illegible]. Grand total $384,358. Noted July 15.

O., Cleveland—To Bentley Bros. Hanna Bldg., bituminous concrete paving (2 sections) Rosena Ave., $15',808 and $21,340 respectively; to Cleveland Trinidad Paving Co., The Arcade, Lambert Ave., and East 37th St., $11,109 and $36,508 respectively; to Goreheld & Maybach, 16311 Sloane Rd., Schenley Ave., $14,952, Sable Ave., $7,696, Tarrymore Ave., $11,888, and Muskoka Ave., $18,928, and brick paving Kewanee Ave., $43,271; to H. G. Herring, Wayside Rd., bituminous paving, etc. Hillgrove and La Salle Aves., $13,224 and $9,404 respectively; to Baldwin Bros., 4500 Euclid Ave., La Vorne Ave., $30,232; to Roehl Bros., 7002 Denison Ave., brick paving, Lyric Ave., $9,591, Lakota Ave., $13,108 and concrete paving Mobile Court, $2,545. Grand total $259,600.

O., Cleveland—Comrs. Cuyahoga Co., asphalt paving Ridge Rd., to Ohio Natl. Pavement Co., Ohio Natl. City Bldg., $26,442. Noted July 1.

O., Cleveland—Bd. Comrs. paving Riverside Rd. 3, to Cleveland Trinidad Paving Co., The Arcade, $143,026. Engrs. est. $163,996.

O., Grandview Heights (Columbus P. O.)—G. B. Walsh, village clk., grading, concrete curbing and sheet asphalt paving, etc. 900 ft. Lincoln Rd., to Franklin Asphalt Paving Co., 209 South High St., Columbus, $14,633; also constructing 2,700 ft. 15 to 42 in. storm sewer, to E. C. Bartling, 1585 Bryden Rd., Columbus, $14,388. Noted June 24.

O., Piqua—For asphaltic block paving, 25,000 sq.yd. Main St., to J. M. Hennessey & Bros., $70,887. Engrs. est. $80,000.

O., University Heights—Village, stone curbing and asphaltic concrete paving Meadowbrook Blvd., to Bentley Bros., Hanna Bldg., Cleveland, $58,855.

Ind, Hammond—Bd. Pub. Wks., bituminous macadam paving State St., to Ahlborn & Lavene, $69,781.

Michigan—State Hy. Dept., Lansing, concrete paving 13.434 mi. F. A. 234, 20 ft. Jackson Co., to State Constr. Div., Lansing, at cost.

Mich., Muskegon Heights—Grading and 6 in. concrete paving 16,000 sq.yd. South Baker St. from Bway. to Columbia Ave.; South Peck St., from Summit to Maplewood Sts. South 7th from Bway. to Summit Sts., to O. P. Carpenter, 800 Sanford St. $52,355.

Ill., Galesburg—Grading, curbing and 4 in. brick paving 6,320 sq.yd. North Pearl St., to H. H. Gunther, Galesburg, $25,310. Noted June 24.

Ill., Kankakee—City Clerk, curbing and concrete paving 25,810 sq.yd. North Dearborn and West Merchant Sts. to Shidler Constr. & Material Co., Kankakee.

Ill., Libertyville—Paving Maple and Lake Aves., to J. Cape & Sons, 468 Water St., Racine, Wis., $26,238.

Ill., Villa Grove—Grading, curbing and concrete paving various streets, to E. J. Tegge, Villa Grove, Engrs. est. $50,000.

Wisconsin—State Hy. Comn., at Office 2, Stephenson Bldg., Milwaukee, grading and 20 ft. concrete paving, etc., 11,222 sq.yd. Federal Aid Project 434-B, to L. C. Christenson, Cambridge $78,225, 65,802 sq.yd. Federal Aid Project 429-A, to R. R. Birdsall, Racine $142,732; and constructing concrete and steel Fox River Bridge on above project, to Zendalla Constr. Co., Manitowoc $33,812. Grand total $254,769. Noted June 10.

Wisconsin — State Hy. Comn., Madison, graveling 6,700 cu.yd. Federal Aid Project 414-A, Vilas Co., to Stuebs & Sloan, Forestville, $31,385, 321 cu.yd. Project 368-A, Trempealeau Co., to E. G. Bigham, Arcadia, $38,609, 8,231 cu.yd. State Job 1889, Columbia Co., to Birch Constr. Co., Tenney Block, Madison, $24,167; and 11,819 cu.yd. Project 404-A, Iron Co., to Tilseth & Ostlie, Menomonee, $55,590; top soil surfacing, etc., 2,797 cu.yd. Project 426-A, Part 2, Florence Co., to R. B. Vickery & Co., Green Bay, $46,470, 2,667 cu.yd. Project 423-A, Lincoln Co., to F. Theller, Tomahawk, $19,-363, 999 cu.yd. Project 436-A, Oneida Co., to McDonald Lumber Co., Green Bay, $17,-430. Grand total $245,960. Noted June 24.

Wis., Janesville—A. J. Olsen, city clk., concrete paving, etc. various streets, to J. L. Frame, Blue Mounds $38,449.

Wis., Milwaukee—W. J. Cary, clk. Milwaukee Co., widening and warrenite bitu-

Streets and Roads (Continued)

lithic on concrete paving, etc., 35,000 sq.yd., Loomis Road, to White Constr. Co., 68 Wisconsin St., $88,750; and 30 ft. rein.-con. bridge, on same road, to J. W. Vierck, Menomonee Falls, $11,735. Noted July 8.

Wis., Stevens Point—A. Wallace, city clk. concrete paving, etc. Fremont and Shaurette Sts., to Garnock Constr. Co., Ingram Bldg., Eau Claire $42,999. Noted July 1.

Wis., Wauwatosa—Bd. Pub. Wks., A. V. Brigham, secy., rein.-con. paving, etc. 11,580 sq.yd. East Milwaukee Ave., to J. L. Frame, Blue Mounds at $2.05 per sq.yd.; and Kentucky rock asphalt paving, etc. 3,730 sq.yd. 2nd Ave., to Jacobus & Winding Constr. Co., 1 State St. at $1.67 per sq.yd.

Wis., West Allis—Bd. Pub. Wks. concrete paving, etc. 24,000 sq.yd. 29 alleys, to Lex Constr. Co., 446 68th Ave. at $1.77 and $1.84 per sq.yd. Noted July 15.

Ia., Burlington—Des Moines Co., concrete paving 88,111 sq.yd. various streets to Miller Constr. Co., Burlington, $215,905.

Ia., Chariton—For 7 in. rein.-con. surfacing 13,450 sq.yd. various streets, to R. C. Nelson Co., 1133 Military Bldg., Council Bluffs, at $2.19 per sq.yd.

Ia., Le Mars—Curbing, guttering and concrete paving 14,460 sq.yd. various streets, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, $34,170.

Ia., Marion—To Dearborn Constr. Co., Waterloo, 6 in. concrete paving 14,000 sq.yd. various streets, at $1.90 per sq.yd., 1,500 cu.yd. excav. at $0.60, etc. Noted July 1.

Minn., Moorhead—Concrete paving 10 blocks various streets in First Ward, to J. S. Sieverts Constr. Co., Hibbing $32,224. Noted May 27.

Kan. Independence—Montgomery Co., brick paving 2.001 mi. Federal Aid Project 199-A, and concrete paving 2.810 mi. same project, Sect. B, to A. G. Sherwood, Independence, $84,659 and $81,342 respectively.

Kan., Lawrence—Douglas Co. grading, culverts, etc. 5.554 mi. Federal Aid Project 273-A. Work will be done by day labor.

North Dakota—State Hy. Dept., and Comrs. McIntosh Co., Court House, Ashley, grading, etc. 11.433 mi. Federal Aid Project 315-A, to W. Geddes, Ellendale $32,241. Noted May 6.

N. D., Fargo—A. R. Watkins, city aud., paving 8 blocks of 4 streets, to S. Birch & Sons Constr. Co., Fargo, $47,682.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Trinidad Asphalt Paving Co., Title Guaranty Bldg., asphaltic concrete paving 2,265 sq.yd. Edwards St. $14,660, and 23,160 sq.yd. 9th St. $91,665; to Eyermann Constr. Co., 1216 South Grand Blvd., amiesite paving, etc., 1,310 sq.yd. Adkins Ave. $10,635, 1,125 sq.yd. 38th St. $7,554, and 1,915 sq. yd. Wyoming St. $12,402; to Skrainka Constr. Co., Security Bldg., 2,445 sq.yd. Fenrod Rd. $16,409; to Webb-Boone Paving Co., 5103 Fyler Ave., willite asphalt paving, etc., Lorraine St. $10,014, and asphaltic concrete paving, etc., 2,160 sq.yd. Wanda St. $9,934. Grand total $173,273. Noted June 24.

Mo., Sedalia—N. L. Nelson, city clk., City Hall, grading, 6 in. concrete paving, etc. 12,000 sq.yd. 16th St., to M. O. Thomas, Joplin, at $1.76 per sq.yd. Noted June 17.

Okla., Weatherford—Grading and paving Bway. and Custer Sts. to Ward-Beekman & Brooks, Security Bldg., Oklahoma City, $71,219. Engrs. est. $79,000. Noted June 17.

Idaho—State Hy. Comrs., Dept. Pub. Wks. at Office Comrs. Franklin Co., Preston, grading, graveling, etc. 8,411 cu.yd. Federal Aid Project 98, to O. Nelson, Logan, $18,301. Noted May 27.

Idaho—Comrs. Pub. Wks., at office Lost River Hy. Dept., **(F. A. F. means Federal Aid Project)**, grading, etc. 32,976 cu.yd. F.A.P. 118-B Custer and Butte Counties, to J. H. Forbes, Caldwell $30,244; and 20,584 cu.yd. F.A.P. 7-B, Custer Co., to Drummie & Toller, Dawney $13,666. Noted May 27.

Wash., Seattle—Bd. Pub. Wks., concrete paving, etc. East Lynn St. et al to McHugh & Colluccio, 517 3rd St. N., $147,060; also grading, etc. Columbian Way, et al, to Interstate Constr. Co., 1713 22nd Ave. South $264,951. Noted July 15.

Calif., Bakersfield—V. Van Riper, city clk., 1½ in. Warrenite bithulithic surfacing on 3½ in. asphaltic concrete. California and D Sts., etc., to Union Paving Co., Call Bldg., San Francisco, $50,620. Noted 276094.

Calif., El Monte—B. B. Moore, city clk., to Hall-Johnson Co., 951 Westminster St., Alhambra, improving Brockway Ave., curbing, guttering and 79,580 sq.ft. 5- to 7-in. concrete paving, $0.19 per sq.ft., etc., total approximately $29,978.

Calif., Napa—Napa Co., excavating and concrete paving, 3,260 cu.yd., Coombsville Rd., to R. Errington, Napa, $26,665. Noted July 15.

Calif., Riverside—Supervs. Riverside Co., 5 in. macadam paving, etc. portion of Foothill Rd., to J. M. Shull Co., 1260 Locust St., $39,352.

Calif., San Luis Obispo—City Council, 6 in. concrete paving 121,482 sq.ft. Buchon St., to Southwest Paving Co., Washington Bldg., Los Angeles, $27,258.

Calif., Santa Cruz—S. A. Evans, city clk., curbing, guttering, walks and concrete paving Berkeley Way, Hubbard St., etc., to Thompson Bros., G and Divisado Sts., Fresno, $26,550. Noted July 15.

Ont., Hamilton—Concrete paving Barton St. from Ottawa to Kenilworth by day labor. $75,000. Work to be done under supervision W. McFaul, City Hall, engr.

Ont., Ridgetown—Concrete paving Erie St., to W. W. King, Oakville, $40,000. Noted May 6.

B. C., South Vancouver—Concrete paving various streets, to Dawson, Wade & Co., Bekins Bldg., Vancouver, $20,000; warrenite bitulithic paving, to Cotton Co. Ltd., False Creek Yards, Vancouver, $31,000.

Buildings—Commercial

Proposed Work

Vt., Burlington — AUDITORIUM—City, c/o F. L. Austin, archt., 240 College St., takes bids about Aug. 1, 2 story, 105 x 120 ft., stone and rein.-con. auditorium. $150,000. Noted Apr. 15.

Mass., Malden (br. Boston)—STORE and OFFICE—J. B. Blood, A. K. Blood, mgr., 94 Summer St., Lynn, having plans prepared by Sanborn & Weed, Item Bldg., Lynn, 2 story and basement, store, market and office building, 314-324 Main St. $175,000.

Mass., Newton — HOSPITAL — Newton Hospital, C. E. Kelsey, pres., having sketches made by Densmore, LeClear & Robbins, Park Sq. Bldg., Boston, hospital, Beacon St. $1,500,000.

N. Y., Brooklyn—APARTMENT—Empire Building Corp., c/o M. Rothstein, engr. and archt., 186 Joralemon St., having plans prepared brick, steel and stone, plain foundation, Nostrand Ave. near Farragut Rd. $250,000.

N. Y., Brooklyn — HOTEL — Seventy-Seven Eastern Parkway Realty Co., c/o Shampan & Shampan, engrs. and archts., 188 Montague St., having plans prepared 5 story, brick, steel and stone, plain foundation, 49 Eastern Parkway, $200,000.

N. Y., Brooklyn — OFFICE — Brooklyn Edison Co., 360 Pearl St., soon takes bids 12 story, brick, steel and stone addition, plain foundation, Willoughby Ave. and Pearl Sts. $200,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York City, engrs. and archts.

N. Y., Brooklyn—THEATRES—Greater New York Vaudeville Theatre Corp., B. M. Morse, pres., 1564 Bway., New York City, soon takes bids 2 brick, steel and stone theatres, plain foundations, one at Church Ave., other at Myrtle Ave. $500,000 each. E. DeRosa, 15 West 44th St., New York City, engr. and archt. Noted July 3, 1924.

N. Y., Brooklyn—THEATRE—Crescent Theatre Enterprises, c/o C. A. Sandblom, engr. and archt., 145 West 45th St., New York City, having plans prepared 100 x 200 ft. brick, steel and stone, plain foundation, Fulton St. and Euclid Ave. $300,000.

N. Y., New York—GARAGE—Bronx Gas & Electric Co., 43 Westchester Sq., having plans prepared by T. E. Murray, engr. and archt., 55 Duane St., 4 story, 65 x 210 ft., rein.-con., brick and steel, plain foundation, St. Raymond Ave. $350,000.

N. Y., New York—LOFT and OFFICE—Owner c/o Jardine, Hill & Murdock, engrs. and archts., 347 Madison Ave. having plans prepared 17 story, brick, steel and stone, plain foundation, Worth and Church Sts., $6,000,000.

N. Y., New York—OFFICE and STORE—E. Ellinger, c/o Schwartz & Gross, engrs. and archts., 347 5th Ave., soon take bids brick, steel and stone, plain foundation, East 52nd St., $500,000.

N. Y., New York—OFFICE—S. Solomon, 152 West 42nd St. having sketches prepared by Schwartz & Gross, engrs. and archts., 347 5th Ave. 25 story, 100 x 200 ft., brick, steel and stone, plain foundation, Cortland and West Sts.

N. Y., New York — THEATRE and STORES—West 46th Street Theatre Corp., I. Zimmer, pres., c/o T. W. Lamb, engr. and archt., 644 8th Ave., soon takes bids, brick, steel and stone, plain foundation, West 46th St. $750,000. Noted July 1.

Pa., Dubois — STORE — Leonardson, Davis & Ward, Clearfield, plans 4 story and basement, 35 x 100 ft., brick, Scribner Ave. $150,000.

Pa., Phila.—APARTMENT—J. H. Ruckie, archt., 4341 Frankford Ave., soon lets contract, 3 story and basement, 48 x 141 ft., rein.-con., brick, steel and timber, plain foundation, 4340-4 Frankford Ave., for Rearden Bros., Inc., 4344 Frankford Ave.

Pa., Phila.—OFFICE and LOFT—Stuckert & Co., archts., Crozer Bldg., soon lets contract 8 story and basement, 71 x 143 ft., rein.-con., brick and steel, plain foundation, 13th and Ward Sts., for M. L. and B. W. Heid, c/o Barber Hartman Co., Commonwealth Bldg.

Bids Desired

N. H., Keene—BANK—Keene Natl. Bank, C. J. Woodward, pres., taking bids 2 story and basement, 40 x 105 ft., brick, steel, stone, rein.-con. and plain foundation, Central Sq. $150,000. Hutchins & French, 11 Beacon St., Boston, Mass., archts.

Mass., Boston — STORE and APARTMENT—See "Contracts Awarded."

Mass., Boston—WAREHOUSE—Morgans, Inc., 755 Washington St., taking bids, 6 story, brick, steel, rein.-con. and plain foundation, warehouse and garage, 1022 Massachusetts Ave. To exceed $150,000. I. Richmond, 248 Boylston St., archts. Noted June 10.

Mass., Worcester—STORE and OFFICE—See "Contracts Awarded."

N. Y., Johnstown—CITY HALL—Aug. 10, by G. E. Yerdon, city clk., city hall, East Main St., W. J. Beardsley, Poughkeepsie, archt., adv., E. N.-R. July 22.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—PAVILION—Aug. 5, by Bd. Health, L. I. Harris, pres., 505 Pearl St., isolation pavilion on grounds Willard Parker Hospital, foot East 16th St.

Pa., Erie—PASSENGER and FREIGHT STATION—Aug. 2, by New York Central R.R. Co., New York City, N. Y., G. W. Kittredge, ch. engr., 1 and 2 story, 57 x 116 x 665 ft., brick, steel, concrete and terra cotta, here. Fellheimer & Wagner, 155 East 42nd St., New York City, N. Y., archts.

Pa., Phila.—SALES and SERVICE—J. W. Thompson, archt., 703 South 60th St., taking bids rein.-con., brick, granite and limestone, plain foundation, Broad and Chelten Sts., for G. T. Flurer, Broad and Chelten Sts.

Fla., Ocala—HOSPITAL—July 28, by City, constructing hospital on Oranye St. $200,000.

Fla., Tallahassee—OFFICE—July 27, by Bd. Comrs. State Institutions, Governors Office, State Capitol Bldg., constructing office building for the State. R. Weaver, Gainesville, archt.

Miss., Pascagoula—HOTEL—Aug. 12, by Shoards-Souer Co., Inc., G. & S. I. R.R. Bldg., Gulfport, fireproof hotel building, here, for committee of citizens. $200,000. Noted July 1.

Tenn., Memphis—OFFICE—C. F. Farnsworth, 1st Natl. Bank Bldg., taking bids 12 story, office building, Main and Union Sts. E. L. Harrison, U. & P. Bldg., archts. Noted Mar. 4.

O., Cleveland—PREVENTORIUM—July 30, by City, D. S. Blossom, dir. Pub. Welfare, City Hall, 2 story and basement, 50x 160 wing 37x140 ft., brick, steel and concrete tuberculosis preventorium, at Warrensville Farm. $200,000. A. Garfield, 915 Natl. City Bldg., archt.

O., Cleveland — STORE and APARTMENT—Braverman & Havermaet, archts., Ulmer Bldg., taking bids 3 story and basement, 72 x 118 ft., brick, Mayfield and Gree Rds., for Stotter, DeGroot & Haber, Leader Bldg. $150,000.

O., Lorain—TEMPLE—Masonic Temple Bldg., taking bids, 4 story and basement, 55 x 132 ft., brick, steel and concrete temple. $200,000. T. R. Ridley, Federal Oil and Gas Bldg., Akron, archt.

Ill., Chicago—HOTEL—E. J. Meles, archt., 105 West Monroe St., taking bids 3 story and basement, 75 x 160 ft., brick, 1212-18 North La Salle St. for F. Brons & Co., 1021 North Dearborn St. $150,000. Noted June 3.

Ill., Chicago—POLICE STATION—See "Unclassified."

Ill., Peoria—MAUSOLEUM—See "Contracts Awarded."

Ill., Peoria—OFFICE and APARTMENT—B. L. Hulsebus, archt., Jefferson Bldg., taking bids 10 story and basement, 72x82

Constr. News page 63

Buildings—Commercial (Continued)

ft., concrete, brick, steel and terra cotta, 400 Hamilton Ave., for Peoples Loan Co., General Natl. Bank Bldg. $300,000.

Ill., Rockford—THEATRE and APARTMENT—Orpheum Theatre Co., c/o W. N. Van Marte, Jr., Schumann Piano Co., taking bids 3 story 147½ x 156 ft., rein.-con., brick, stone and terra cotta, North Main St. $850,000-$1,000,000. F. L. Klein, 331 Main St., Peoria, archt.

Wis., La Crosse—HOSPITAL—July 28, by La Crosse Lutheran Hospital, 1910 South Front St., and Merman & Skogstad, archts., Linker Bldg., 4 story and basement, 42 x 100 ft., brick, tile and concrete addition, plain foundation, here. $150,000. Noted July 15.

Wis., Madison—APARTMENT—Peacock & Frank, archts., 445 Milwaukee St., Milwaukee, taking bids 5 story and basement, 112x155 ft., brick and concrete, plain foundation, here, for Badger Building Service, 445 Milwaukee St., Milwaukee. $250,000. Noted June 24.

Wis., Milwaukee — SHRINE MOSQUE — July 29, by Clas, Shepherd & Clas, archts., 445 Milwaukee St., 3 story and basement, 100 x 120 ft., brick and concrete, plain foundation, Grand Ave., for Tripoli Temple. Nobles of the Mystic Shrine, L. Schneller, 399 4th St., chn. building com. $400,000.

Wis., Racine—THEATRE and STORE—July 28, by E. A. Meyer, archt., 2703 Lisbon Ave., Milwaukee, 2 story and basement, 71 x 184 x 235 ft., brick, concrete and terra cotta, plain foundation, Washington Ave., for Buhler & Buhler, 1418 Washington Ave. $160,000. Noted June 17.

Neb., Grant—COURT HOUSE—Aug. 2, by W. H. Griffith, clk., Perkins Co., 3 story and basement, 68 x 85 ft., brick and stone, here. $150,000. J. F. Reynolds, Sioux City, Ia., archt.

Mo., St. Louis—EXCHANGE—Southwestern Bell Telephone Co., Boatmens Bank Bldg., taking bids 2 story and basement, 110 x 137 ft., rein.-con., brick and stone, Hamilton and Natural Bridge Sts. $250,000. I. R. Timlin, c/o owner, archt. Noted Nov. 12.

Calif., Los Angeles—HOSPITAL—A. C. Martin, archt., Higgins Bldg., taking bids, part 2 and 3 story, brick, steel and concrete hospital, Towne Ave., for French and Early. $150,000 or more.

Calif., Marysville—APARTMENT—See "Contracts Awarded."

Calif., Pasadena — APARTMENT — See "Contracts Awarded."

Calif., San Francisco—APARTMENT—H. M. Henderson, representing owner, 240 Montgomery St., taking bids 14 story and basement, Clay St. near Powell St., for W F. Backus, 58 Sutter St. $250,000. J. C. Hladik, Monadnock Bldg., archt.

Calif., San Francisco — WAREHOUSE—Miller & Pflueger, archts., 580 Market St., taking bids, 4 story, brick or rein.-con. warehouse, Alabama and 17th Sts., for Ames-Harris Neville Co., 37 Front St. $350,000. Noted Oct. 29.

Contracts Awarded

Vt., Barre—ARMORY—State of Vermont, H. T. Johnson, Montpelier, 3 story, 75 x 125 ft., rein.-con. and stone, here, to Rowe Constr. Co., Woodsville, N. H. Archts. est. $150,000. Noted July 15.

Vt., Brattleboro—HOTEL—W. H. Vinton & Sons, 7 Canal St., 4 story and basement, brick and limestone addition, to W. Cushman, Guilford. Archts. est. $150,000.

Mass., Boston—STORE and OFFICE—C. A. Hoyle, agt., 35 Newbury St., 5 story and basement, brick, 13 Newbury St., to Joslin & Landry, 107 Massachusetts Ave. Archts. est. $150,000.

Mass., Boston — STORE and APARTMENT—M. Gladstone, c/o A. Colmes, 743 Olsd. South Bldg., will build 3 story and basement, brick and stone store and apartment in Dorchester Dist. Archts. est. $150,000. Work will be done by separate contracts.

Mass., Foxboro — THEATRE — F. M. Perry, 1 story and basement, 50 x 110 ft., brick and steel, Main St., to M. W. Allen Constr. Co., East Walpole. Archts. est. $150,000.

Mass., Foxboro—WARD—Commonwealth of Massachusetts, Dept. Mental Diseases, 3 story, brick, stone and rein.-con. Ward building 12, to H. F. Harris, North Attleboro, $112,000.

Mass., Worcester—STORE and OFFICE—R. C. Taylor Trust, 438 Main St., will build 5 story and basement, 50 x 125 ft., brick and steel, 10 Front St., by day labor

Constr. News page 64

To exceed $150.000. Fuller & Delano, 44 Front St., archts.

N. Y., New York—APARTMENT—Galveston Building Corp., c/o C. Kreymborg & Sons, engrs. and archts., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Jessup Ave., by day labor. $200,000.

N. J., Camden—ADMINISTRATION—Delaware River Bridge Comn., Widener Bldg., Phila., Pa., administration building between 6th and Fulton Sts., general Contr. 31-a, to David Lutz & Co., 23rd and Chestnut Sts., Phila., Pa. $132,800. Noted July 1.

Pa., Norristown—Y. M. C. A.; Airy and Maris Sts., 4 story and basement, 30 x 70 ft and 30 x 90 ft., rein.-con., limestone, steel and granite, addition, plain foundation, here, to H. P. Friend, Norristown. Archts. est. $150,000. Noted June 24.

Pa., Pittsburgh — THEATRE—Penna Federal Corp., c/o M. Loew Theatrical Enterprises, 1540 Bway., New York City, N. Y., general contract, 3 and 9 story and basement, Penn Ave. and 6th St., here, to Boaz Kiel Constr. Co., Chateau Bldg., St. Louis, Mo. Archts. est. $1,000,000. Noted June 3.

W. Va., Charleston—OFFICE—Capitol Building Comn., Capitol Bldg., general contract for Office 2, fireproof, to J. Baird Co., 441 Lexington Ave., New York City, $151,000, plumbing, to H. E. Crook Co., 28 Light St., Baltimore, Md., $34,655. Noted June 10.

Ala., Birmingham—STORE and OFFICE—Phoenix Realty Co,. 5 story and basement, 75 x 150 ft., rein.-con., 2nd Ave., to Davis Constr. Co., 3 South 24th St. $200,000.

Miss., Natchez—HOTEL—Hotel Eola, 7 story, hotel, Pearl St., to J. V. and R. T. Burkes, Carondelet Bldg., New Orleans, La. Archts. est. $500,000.

Tenn., Knoxville — HOTEL—Dooley-Gillespie Realty Co., Deaderick Bldg., Tennessee Terrace Hotel, 17 story and basement, concrete, brick and steel hotel, Gay St., to Worsham Bros. Constr. Co., Empire Bldg., $1,000,000. Noted Sept. 24.

Tenn., Memphis—CLUB—Elks Lodge, Jefferson St., 12 story, brick, stone, tile and terra cotta, incl. gymnasium, swimming pool, etc., North Front St. and Jefferson Ave., to H. J. Gilbertson Constr. Co., Fair Grounds, $500,000. Noted June 3.

O., Akron—BANK—Bankers Guarantee, 3 story and basement, 50 x 140 ft., bank, 191-193 South Main St., to Carmichael Constr. Co., 524 Central Savings and Trust Bldg., $150,000.

Ill., Chicago—APARTMENT—E. Grossman, archt., 105 West Monroe St., masonry contract 6 story, brick apartment, 5516-18 Winthrop Ave., to Saderline Co., carpentry contract, to C. L. Pearson Co., 105 West Monroe St., for R. M. Cope, 105 West Monroe St. Archts. est. $275,000.

Ill., Chicago—APARTMENT—Gallup & Joy, archts., 646 North Michigan Ave., masonry contract 5 story and basement, 72x85 ft., rein.-con. and brick, 500 Barry Ave. to P. Anderson, 2515 Sherman Ave., Evanston for E. Hagen, et al, 460 Barry St., Archts. est. $250,000. Noted Apr. 26.

Ill., Chicago—APARTMENT—Lake View Avenue Building Corp., S. E. Mittleman, pres., 11 South La Salle St., general contract 18 story, 84 x 200 ft., rein.-con., brick and terra cotta, 2432-42 Lake View Ave., to A. Brundage Co., 110 South Dearborn St. Archts. est. $1,250,000. Noted July 15.

Ill., Chicago—HOSPITAL—Garfield Park Hospital, 3813 West Washington Blvd., concrete and masonry contract 8 story 75 x 155 ft., rein.-con. and brick, 3821-3825 West Washington Blvd., to Guy & McClintock, 7234 Circle Ave., Oak Park. Archts. est. $650,000. Noted Apr. 29.

Ill., Evanston—STORE, APARTMENT and GARAGE—V. C. Carlson, 636 Church St., general contract 2 and 4 story, 55 x 78 ft. and 54 x 135 ft., rein.-con. and brick, 1312 Chicago Ave., to V. C. C. Constr. Co., 636 Church St.

Ill., Peoria — MAUSOLEUM — Valley Mausoleum Co., 77 East Washington St., Chicago, will build double corridor, 60 x 140 ft., rein.-con., granite, copper and marble mausoleum, in Springdale Cemetery, owned by Springdale Cemetery Assn., here, by day labor. $450,000.

Wis., Beloit—BANK—Beloit Savings Bank, 119 Grand Ave. 1 story and basement, 60x180 ft., rein.-con., brick and steel, plain foundation, here, to J. Schneiberg, 945 Bluff St. Archts. est. $150,000. Noted July 8.

Wis., Madison — HOSPITAL — Methodist Hospital Assn., W. G. Kirchoffer, Dean Bldg., chn., 6 story and basement, 48x176 ft., rein.-con., brick and steel, plain foundation, to J. H. Findorff & Son, 601 West Wilson St. Archts. est. $250,000. Noted July 1.

Wis., Milwaukee—CLUBHOUSE—J. R. Pope, archt., 542 Fifth Ave., New York City, N. Y., 5 story and basement, 80 x 110 ft., brick, stone and concrete, plain foundation, Juneau Pl. to W. W., Oeflein, Inc., 88 Michigan St., for University Club, 491 Jefferson St., here, archts., est. $400,000. Noted June 24.

Wis., Milwaukee—THEATRE, etc.—Dick & Bauer, archts., Century Bldg., 2 story and basement, 160 x 242 ft., rein.-con., brick and terra cotta, plain foundation, Farwell Ave., to H. Schmitt & Son, 14 Burleigh St., for Mal Investment Co., 425 East Water St. $800,000. Noted June 17.

Wis., Neenah — WAREHOUSE — Bergstrom Paper Co., 225 West Wisconsin Ave., 5 story and basement, 82x157 ft., rein.-con. and brick, plain foundation, here, to Elmer Bros. Constr. Co., 52 Otter St., Oshkosh. Archts. est. $150,000.

Wis., Racine—THEATRE, STORE and OFFICE—S. Dorece, c/o Star Theatre, 16th St., 2 story and basement, 62 x 100 ft., brick, concrete and natural stone, plain foundation here, to Christensen Constr. Co., 1135 Mound Ave. Archts. est. $150,000.

Ia., Des Moines—OFFICE and WAREHOUSE—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., general contract 5 story and part basement, 88 x 155 ft., rein.-con., plain foundation, Court and East 7th Sts., here, to J. and W. A. Elliott Co., Lumber Exch. Bldg., Minneapolis, Minn. Archts. est. $175,000. Noted July 15.

Ia., Newton—OFFICE and THEATRE—H. Reader, archt., 20 West Jackson Blvd., Chicago, Ill., concrete and masonry contract 5 story and basement, 66 x 134 ft., rein.-con. and brick, here, to Lanning Constr. Co., Oskaloosa, plumbing, heating and wiring, to Cartens Bros., Eckley, for F. L. Maytag, Newton. Archts. est. $300,000. Noted May 6.

Kan., Pittsburg—HOTEL—Hotel Bessee Co. 12 story and basement, 91x170 ft., rein.-con., steel and stone, to A. Messenger & G. Dalton, Pittsburg. Archts. est. $300,000. Noted June 10.

Mo., St. Louis—APARTMENT HOTEL—Local Syndicate, c/o Pleitsch & Price, archts., Arcade Bldg., 15 story and basement, rein.-con., brick, stone and terra cotta, Lindell Blvd., to W. H. Smith-Nelson Cunliff Co., 110 North 7th Sts. Archts. est. $1,000,000.

Mo., St. Louis—OFFICE and STORE—Lesser-Goldman Cotton Co., 1704 Olive St., remodeling 7 story and basement, brick and concrete, Olive St., to Fruin-Colnon Constr. Co., 502 Merchants Laclede Bldg. Archts. est. $150,000.

Mo., St. Louis—REFECTORY and LOCKER—Div. Parks & Recreation, c/o Bd. Pub. Serv., 208 City Hall, general contract, 1 story and basement, 94x230 ft., rein.-con. and brick, Forest Park, to Kremer & Voirol Constr. Co., Century Bldg. $107,890. Archts. est. $150,000. Noted June 10.

Mo., St. Louis—THEATRE and APARTMENT—St. Louis Amusement Co., 706 North Grand Blvd., 3 story and basement, 92x193 ft., rein.-con., brick and stone, Union Ave. near Terry Ave., to Boaz-Kiel Constr. Co., 4030 Chouteau Ave. Archts. est. $250,000.

Okla., Poteau—COURT HOUSE—LeFlore Co., 2½ story and basement, 70x130 ft., rein.-con. and brick, plain foundation, Main St., to W. R. Grimshaw, Tulsa, $128,728. Archts. est. $150,000.

Ore., Salem—BANK and OFFICE—First Natl. Bank, 11 story and basement, 100x100 ft., rein.-con., State and Liberty Sts., to Hansen & Hammond, Pittock Bldg., $203,000. Noted Jan. 21.

Calif., Los Angeles — APARTMENT—Brown & Kal, 604 North Hoover St., 4 story, brick, South Westlake Blvd., to LeBrun & Co., 4968 Hollywood Blvd., $150,000.

Calif., Los Angeles—APARTMENT HOTEL—Hollywood Income Properties Co. c/o L. A. Smith, Film Exch. Bldg., 5 story, brick, Hollywood Blvd., to Bard & Co., Pacific Natl. Bank Bldg., $185,500.

Calif., Los Angeles—APARTMENT—E. Roland, 1584 West Washington St., 5 story, brick, North Cherokee Ave., to Bard & Co., Chamber of Commerce Bldg., $175,000.

Calif., Marysville—APARTMENT—T. C. Evans, 201½ D St., owner and contractor, will build 3 or more story, 120x160 ft., brick or concrete apartment, E St. $150,000.

Calif., Oakland — HOSPITAL — O. E. Kuhn, Wakefield Bldg., 8 story and basement, brick, 27th Ave. and East 14th St., to Elrod Constr. Co., 1710 Webster St., $165,500.

Calif., Oakland — WAREHOUSE—Drayage Service Corp., 4th and Castro Sts., rein.-con. and brick warehouse, 18th, 20th,

Buildings—Commercial (Continued)

Campbell and Peralta Sts., to J. M. Cooper, Rives-Strong Bldg., Los Angeles, $300,000.

Calif., Oakland — WAREHOUSE—Roeth & Couchot, engrs., 1404 Franklin Sts., 4 story and basement, rein.-con. 4th and Alice Sts., to Industrial Constr. Co., 818 Bryant St., San Francisco, for Carr & Creston, c/o engrs., approximately $165,000. Noted July 15.

Calif., Pasadena — APARTMENT—Foss Designing & Building Co., 45 North Euclid Ave., will build 4 story and basement, brick apartment, Oakland Ave. and Eldorado St., by day labor. $150,000.

Calif., San Diego — STORE — Benough Furniture Co., 1177 5th Ave., 6 story and basement, steel, 4th and B Sts., to J. M. Cooper, Rives-Strong Bldg., Los Angeles. Noted Jan. 13.

Calif., San Francisco — CONCESSION BUILDINGS — Dunn-Williams, 156 Montgomery St., 25 concession buildings, 1 story, heavy mill construction, Great Highway, to Lindgren-Swinerton, Inc., 225 Bush St., $200,000.

Que., Montreal—OFFICE—Henry Birks & Sons, Ltd., St. Catherine St. W., general contract 10 story, 110 x 200 ft., rein.-con., extension to New Birks Bldg., to Church Bros. Co., Ltd., 693 St. Catherine St. W. $220,000.

Que., Montreal—OFFICE—St. Catherine-Stanley Realty Corp., c/o Ross & McDonald, archts., 1 Beemont St., 11 story, 75 x 150 ft., to Quinlan, Robertson & Janin, Ltd., 702 Sherbrooke St. W. $1,500,000.

Sask., Regina—HOTEL—Canadian Pacific, 230 St. James St., Montreal, Que., hotel to Smith Bros. & Wilson, Regina, $1,500,000. Noted Mar. 11.

Buildings—Industrial

Proposed Work

Me., Brewer (Ind. br. Bangor)—FACTORY—F. A. Patterson, archt., 16 Central St., Bangor, preparing plans 2 story and basement, 45 x 75 ft., brick shoe factory. $45,000. Owner's name withheld.

N. Y., Brooklyn—SHOP and STORES—Bullard-Murtha Motor Co., Inc., 902 Quentin Rd., having plans prepared by E. W. Kleinert, engr. and archt., 250 Park Ave., New York City, 3 story, brick, steel and stone, plain foundation, 1680 Coney Island Ave. $150,000.

N. Y., Long Island City—FACTORY—Gould & Merserole Co., 194 13th St., soon takes bids 2 story, 90 x 210 ft., rein.-con., brick and steel, plain foundation, Mott Ave. $150,000. Parker & Shaffer, 280 Madison Ave., New York City, engrs. and archts.

N. Y., New York—MEAT STORAGE PLANT—Kingan Packing Co., West Maryland St., Indianapolis, Ind., soon takes bids, brick, steel and rein.-con., plain foundation, Brook Ave., here. $150,000. J. P. Voelker, 979 3rd Ave., engr. and archt.

Bids Desired

Mass., Everett (Boston P. O.)—MANUFACTURING—Metropolitan Lithographic & Publishing Co., J. B. Robbins, 7 Bow St., taking bids, 3 story, 60 x 125 ft., brick, rein.-con. and plain foundation manufacturing building. $100,000. W. P. Hatch, 60 State St., Boston, archt. Noted July 15.

Mass., Watertown — FACTORY — See "Contracts Awarded."

Ind., Anderson—FACTORY—See "Contracts Awarded."

Mich., Detroit—AUTOMOBILE PLANT—A. Kahn, archt. 1000 Marquette Bldg., taking bids, 3 story 60x264 ft., rein.-con. and brick, plain foundation East Grand Blvd. and Concord Ave., for Packard Motor Car Co., East Grand Blvd.

Wis., Sheboygan—FACTORY—W. C. Weeks, archt., 720 Ontario Ave., taking bids 3 story, 64x168 ft., rein.-con. and timber, plain foundation, here, for Inland Furniture Co., T. Dickmann, 11th and Kentucky Sts., mgr. $40,000. Noted July 1.

Wis., Wauwatosa — LAUNDRY — See "Buildings Educational and Religious."

Wis., West Allis—DAIRY PLANT—Aug. 3, by J. D. Jones, comr. agriculture, Madison, 2 story, 60x90 ft., rein.-con., brick and steel State Fair Grounds, here. $40,000. A. Peabody, State Capitol Bldg., Madison, archt.

Okla., Pryor—COTTON COMPRESS—Farmers Co-operative Gin Co., taking bids 1 and 2 story, iron and concrete, 50 bales cotton and 25 tons cotton seed daily capacity. $50,000.

Calif., Roseville — SHOPS, etc.—Pacific Fruit Express Co., 65 Market St., San Francisco, taking segregated bids on car building, shops, etc. $1,500,000. Private plans. Contract for steel, to Dyer Bros., 17th and Kansas Sts., San Francisco.

Ont., London—FACTORY—July 30, by Watt and Blackwell, Bank of Toronto Bldg., 4 story factory addition for Canadian Kellogg Corn Flakes Co. $150,000. Noted July 15.

Contracts Awarded

Mass., Winchester—REPAIR—F. G. McLeester, 972 Main St., 1 story and basement, rein.-con. salesroom and repair garage, Main St., to Frankini Bros., 30 Mystic Ave., Medford. Archts. est. $40,000.

Mass., Watertown — FACTORY — Riverside Trust, 43 Main St., will build 1 story, 100 x 200 ft., brick, steel and plain foundation, Pleasant St. To exceed $40,000. Work will be done by separate contracts.

R. I., East Greenwich—MILL—Greenwich Mills, Division St., 2 story, brick textile mill, to Locke & Thomas Inc., 504 Olympia Bldg., New Bedford. Archts. est. to exceed $40,000. Noted July 1.

N. Y., Poughkeepsie—SHOP, etc.—A. W. Brandt, comr. Highways, Dept. Pub. Wks., Albany, 2 story, 68 x 188 ft., rein.-con., brick and steel, near here, to L. H. Swenson Co., 39 Market St., Poughkeepsie, $54,-349. Noted July 15.

Pa., Fox Chase (Phila. P. O.)—FACTORY—Electric Storage Battery Co., 19th and Allegheny Sts., Phila., 2 story and basement, 169 x 189 ft., rein.-con., brick and steel, plain foundation, Hunting Park Ave., to W. Steele Co., 219 North Broad St., Phila.

Pa., Phila.—BOILER HOUSE—City Mission Home for Consumptives, Chestnut Hill, 1 story, 25x30 ft., rein.-con., brick and steel, plain foundation, 8815 Germantown Ave., to G. S. Roth, Inc., 230 East Graves Lane. Noted June 24.

Pa., Phila.—LAUNDRY—J. M. Frazer Forest and Freenwood Sts., 1 story and basement, 40x94 ft., rein.-con., brick and steel, plain foundation, Brandywine and 35th Sts., to J. W. Emery, 34 South 16th St.

W. Va., Huntington—BOTTLE PLANT—Owens Bottle Co., Nicholas Bldg., Toledo, O., 1 story, brick and steel plant, here, to Rust Eng. Co., 311 Ross St., Pittsburgh, Pa. Archts. est. $400,000.

O., Cleveland—LABORATORY—Forbes Varnish Co., E. S. Reed, pres. and gen. mgr., 3800 West 143rd St., 1 story, 43x83 ft., brick, 3800 West 143rd St., to J. C. F. Shafer Co., Smythe Bldg. Archts. est. $40,-000. Private plans.

O., Cleveland—FACTORY—F. and W. Folberth, 7908 Lake Ave., 1 story, 47 x 158 ft., brick and steel factory, 7900 Lake Ave., to H. G. Shatmyer & Son Constr. Co., Lakeside Ave. N. W. Archts. est. $50,000.

O., Dayton—FACTORY—Delco-Light Co., 3rd Natl. Bank Bldg., 1 story 200x2600 ft., rein.-con. and brick factory, Moraine City, to C. H. Shook, 3rd Natl. Bank Bldg., approximately $500,000. Noted June 24.

Ind., Anderson—FACTORY—Remy Electric Div., will build 1 story, 243x535 ft., brick, steel and rein.-con. and plain foundation, Plant 6, Noble St. and Belt R.R., by day labor. $300,000. Noted July 1.

Ind., Evansville — SHOPS — Chicago & Eastern Illinois R.R., 66th and Union Aves., Chicago, Ill., general contract, brick, steel and rein.-con. round house, turn table, water tanks, etc., to G. A. Johnson & Son, 1335 North Clark St., Chicago, Ill. Archts. est. $500,000. Noted July 15.

Mich., Detroit—SPRING FACTORY—L. A. Young Industries, 9200 Russell St., 5 story, rein.-con., brick and steel, Holbrook Ave. to H. G. Christman Co., 315 Stevens Bldg., Archts. est. $300,000.

Ill., Elgin—FACTORY—Elgin Natl. Watch Co., general contract 5 and 6 story, 28x500 ft. and 55x132 ft., rein.-con., brick and stone factory, to C. E. Giertz & Son, McBride Bl. Noted Sept. 24.

Wis., Genesee Depot—DAIRY PLANT—H. Greene, 559 Marshall St., Milwaukee, 3 story, 40 x 52 ft., rein.-con. and brick, plain foundation, here, to L. Schroeder Constr. Co., 13 East 1st St., Fond du Lac. Archts. est. $40,000.

Wis., Madison—WAREHOUSE—Standard ard Oil Co., 414 Sycamore St., 1 story, 60x150 ft., rein.-con., brick and steel, plain foundation, to J. H. Findorff & Son, 601 West Wilson St. Archts. est. $60,000. Noted June 24.

Wis., Oshkosh — FINISHING SHOP — Badger Lumber & Mfg. Co., Badger Rd., 1 story, 187x214 ft., brick and timber, plain foundation, here, to B. Ganther Co., 117 Main St. Archts. est. $85,000. Noted May 20.

Wis., Sheboygan—FACTORY—Sheboygan Dairy Products Co., 936 North Water St., 2 story, 46x120 ft., rein.-con., brick and steel, plain foundation, to Kurtz Constr. Co., 936 North Water St. Archts. est. $50,-000. Noted July 1.

Minn., St. Paul—FACTORY and MACHINE SHOP—Auto Engine Wks., Inc., Griggs St. and University Ave., 1 story, 100x200 ft., steel frame, St. Anthony Ave. near Hamlins Ave. to Madsen Constr. Co., 618 Natl. Bldg., Minneapolis. Archts. est. $65,000. Noted Apr. 1.

Mo., St. Louis—FACTORY—A. E. Schmidt & Co., 1113 Pine St., 2 story and basement, 45x107 ft., brick and concrete, Olive St., to Tobin Constr. Co., 1907 South Compton Ave. Archts. est. $40,000. Noted Jan. 7.

Calif., Alhambra—FACTORY—Kay Steel Wheel Co. c/o contractor, 1 story, 40 x 85 ft., steel, unit, to Austin Co., of California, 777 East Washington St., Los Angeles.

Calif., Los Angeles—WAREHOUSE and MILL—Poultrymens Co-operative Milling Assn., Industrial Way., 1 story garage and 4 story, 177 x 300 ft. mill, Mirasol St., to J. M. Cooper, Rives-Strong Bldg. $100,000. Noted June 3.

Calif., Roseville—SHOPS, etc.—See "Bids Desired"

Calif., San Francisco—PLANT—Traung Label & Lithograph Co., 962 Battery St., 2 story and basement, rein.-con. printing and publishing plant, Pacific St., to K. E. Parker, South Park St., $165,000.

Ont., Oshawa—FACTORY—General Motors Corp., 1 story, 100x690 ft., concrete and brick factory extension, to W. H. Yates Constr. Co., 17 Main St., East Hamilton, Engrs. est. $200,000.

Buildings—Educational, Religious

Proposed Work

N. H., Nashua—CHURCH—First Church of Christ Scientist, c/o W. M. Butterfield, archt., 801 Beach St., having plans prepared, 1 story and basement, brick and stone church. $150,000.

Mass., Boston — CHURCH — Passionist Missionary Society, 159 Washington St., plans, probably brick and stone church, Washington St. $175,000. Engineer and architect not selected.

N. J., Princeton—DORMITORY—University of Princeton, soon takes bids 3½ story, 116x305 ft., rein.-con. and stone, plain foundation. Day & Klunder, Franklin Bank Bldg., Phila., Pa., archts.

Pa., Elwood City — CHURCH — Bell Memorial Presbyterian Church, having plans prepared by B. J. McCandless, 1 story and basement, irregular shaped, stone, College Ave. $150,000.

Pa., Phila. — CHURCH and SUNDAY SCHOOL — Heidelberg Reformed Church, c/o Stuckert Co., archts., 1420 Chestnut St., soon lets contract 1 and 2 story and basement, 75 x 110 ft., rein.-con., brick, stone and steel, plain foundation, Broad and Grange Sts. Noted June 24.

Bids Desired

Me., Augusta — HIGH SCHOOL — City, Bd. Educ., taking new bids, 2 story and basement, brick and stone, addition, $175,-000. Bunker & Savage, 256 Water St., archts. Former bids rejected. Noted June 17.

Mass., Foxboro—HIGH SCHOOL—Town, B. B. Briston, chm. Bldg. comm., taking bids, 2 story and basement, brick and stone high school. $175,000. C. R. Greco, 11 Beacon St., Boston, archt.

Mass., Holyoke—SCHOOL—Our Lady of Perpetual Help, T. M. O'Leary, pastor, taking bids 2 story and basement, brick parochial school, Chestnut St. $150,000. D. R. Baribault, 324 Main St., Springfield, archt.

Mass., Lynn — SYNAGOGUE — Temple Beth Eli, H. Dine, chn. comm., 9 Monroe St., taking bids, 2 story and basement, 50x100 ft., brick and stone synagogue, Breed St. $150,000. E. Earp, 333 Union St., archt.

Mass., Quincy (Boston P. O.)—SCHOOL—July 29, by Bd. Pub. Wks., 3 story and basement, brick and steel Junior high school, Center, Robert and Granite Sts. $400,000. Shepard & Stearns, 65 Franklin St., Boston, archts. Noted July 8.

Mass., Waban (Ind. br. Boston) — CHURCH—Union Church Society, c/o F. E. Burton, archt., 240 Boylston St., Boston, taking bids, 2 story and basement, brick and stone church, Collins Rd. $150,000. Noted July 8.

N. Y., Sayville—SCHOOL—July 30, by Bd. Educ., brick, steel and stone, school, plain foundation here, Tooker & Marsh, 101

Constr. News page 65

Buildings—Educational, Religious (Cont.)

Park Ave., New York City, engrs. and archts. Noted June 3.

Pa., Hughesville—SCHOOL—Aug. 1, by Hughesville School Assn., M. R. Rosendale, chn. building comn., 3 story and basement, 90 x 220 ft., rein.-con., brick and steel, here. $300,000. Lawrie & Greene, 116 Locust St., Harrisurg, archts.

Md., Baltimore—COLLEGE—Aug. 4, by Bd. Awards, 3 story and basemen,t 239 x 360 ft. superstructure, rein.-con., stone, plain foundation, 33rd St. and Alameda Boulevard, $1,700,000. Buckler & Fenhagen, 525 North Charles St., archts. H. Massart, 328 North Charles St., engr.

Miss., Oxford — CHAPEL — Aug. 5, by Building Committee of University of Mississippi, 2 story, 63 x 148 ft. with 31 x 84 ft. wings, brick and stone, on campus. $150,-000. C. H. Lindsley, Jackson, archt. Noted July 8.

O., Cleveland—NURSES HOME—July 30, by City, D. S. Blossom, dir. Pub. Welfare, City Hall, 3 story and basement, brick, steel and concrete nurses' home, Scranton Rd. $200,000. A. Garfield, Natl. City Bldg., archt.

O., Shaker Heights (mail Cleveland) — SCHOOL—Aug. 2, by Bd. Educ., J. W. Main, clk., 2 story and basement, brick, steel and concrete grade school, Ludlow and Southington Rds. $250,000. C. S. Schneider, 1836 Euclid Ave., Cleveland, archt. Former bids rejected. Noted July 15.

Ind., Elwood—SCHOOL—July 30, by Bd. School Trustees, High and Grade School, H. Norton, pres., 2 story and basement, 95 x 165 ft., brick and rein.-con. school. $150,-000. McGuire & Shook, 320 Indiana Pythian Bldg., Indianapolis, archts., Snider & Rotz, Indianapolis, engrs. $150,000. Noted July 15.

Ind., Muncie—SCHOOL—July 23, by Indiana Normal School, brick, steel and rein.-con. dormitory for girls. $200,000. Snyder & Babbitt, Columbus, archts.

Mich., Detroit—SCIENCE BUILDING—University of Detroit, East Jefferson Ave., taking bids 2 story and basement, 133x176 ft., rein.-con., brick and steel, plain foundation, Livernois Ave. $250,000. Malcolmson & Higginbotham, 1218 Griswold St., archts.

Mich., Grass Lake—SCHOOL—July 29, by Lane, Davenport & Peterson, 1017 Charlevoix Bldg., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, $150,000, for Bd. Educ.

Ill., Chicago—SCHOOL—July 29, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., Mark Twain School, 2 story and basement, 72 x 386 ft., rein.-con., brick and steel, West 51st St. and South Linden Ave. $500,000. J. Christensen, 650 South Clark St., archt.

Wis., New Richmond—SCHOOL—July 27, by Bd. Educ. 2 story and basement, 80x130 ft., rein.-con., brick and steel, plain foundation, here, $150,000. Parkinson & Dockendorf, La Crosse, archts. Noted May 20.

Wis., Wauwatosa — DORMITORY—July 26 (extended date), by Bd. Trustees Milwaukee Co. Institutions, W. L. Coffey, mgr., 3 story and basement dormitory and addition to laundry, plain foundation, here, $159,000. R. Messmer & Bros., 221 Grand Ave., Milwaukee, archts. Noted July 15.

Ia., Muscatine—SCHOOL—Aug. 10, by Secretary Bd. Educ., 2 story and basement, 116 x 200 ft., rein.-con. and brick grade school, plain foundation. $175,000. Dougher, Rich & Woodburn, 805 Valley Natl. Bank Bldg., Des Moines, archts. Noted Apr. 23.

S. D., Aberdeen — PHYSICAL EDUCATION—July 27, by J. W. Henry, archt., 3 story, 107 x 142 ft., rein.-con., brick and stone, plain foundation, here, for Northern Normal & Industrial School. $200,000. Noted July 1.

Mo., Clayton—SCHOOL—Aug. 4, by Bd. Educ., J. L. Bracken, supt., 2 story and basement, brick, concrete and stone in Demun Tract, $150,000. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted May 13.

Mo., St. Joseph — SCHOOL — Christian Bros., taking bids 3 story and basement, 150 x 217 ft., rein.-con., brick and stone school, incl. gymnasium, here. $250,000. M. Carroll, Ridge Bldg., Kansas City, archt.

Mo., St. Louis—CHURCH and COMMUNITY BUILDING—Galilee Baptist Congregation, M. Owens, 4367 Enright St., pastor, taking bids 4 story and basement, 105x131 ft., rein.-con., brick and stone, Pine St. $300,000. Plato & Evans, 808 West Walnut St., Louisville, Ky., archts. Noted May 30.

Calif., Auburn—HIGH SCHOOL—Aug. 5, by Trustees, Placer Union High School Dist., three 2 story, rein.-con. auditorium, science building and shops. $250,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Feb. 25.

Constr. News page 66

Calif., San Francisco—SCHOOL—Aug. 4, by Bd. Pub. Wks., Sunnyside School, 2 story, rein.-con. construction, for City and San Francisco Co. $200,000. Noted Nov. 12.

Bids Received

Pa., Paoli—SCHOOL—School Bd., c/o Ritter & Shay, archts., Packard Bldg., Phila., July 14, general contract, 1 story and basement, 65 x 155 ft., rein.-con., brick and steel school, plain foundation, here, from F. W. Worley Constr. Co., Wesley Bldg., Phila. $138,435. Noted July 8.

Pa., Phila. — GRADE SCHOOL — Bd. Educ., 19th and Chestnut Sts., July 12, general contract, 3 story and basement, 85x212 ft., rein.-con. and brick, plain foundation, Nedro and Ogontz Sts., from McClosky & Co., 1620 West Thompson St. $423,234. Heating from L. J. Sommer & Son, 2406 Brown St., $43,751. Noted July 8.

Pa., Phila.—SCHOOL—Bd. Educ., 19th and Chestnut Sts., July 12, general contract remodeling and constructing 2 story and basement, 97x115 ft., rein.-con. and brick addition, plain foundation, Tabor and Water Sts., from Kober Constr. Co., 34 South 17th St. $236,666. Heating from Thompson Bros., 520 Buttonwood St., $26,-700.

Pa., Strafford—SCHOOL—School Bd., c/o Ritter & Shay, archt., Packard Bldg., Phila., July 14, general contract, 1 story and basement, 65 x 155 ft., rein.-con., brick and steel school, plain foundation, here, from F. W. Worley Constr. Co., Wesley Bldg., Phila. $138,435. Noted July 8.

Pa., Wilkinsburg—SCHOOL—Bd. Educ., July 12, 3 story and basement, 125 x 150 ft., brick and hollow tile school, from Pittsburgh Constr. Eng. Co., Rebecca St., $212,-200. Noted July 1.

O., Bexley (Columbus P. O.)—SCHOOL—J. V. L. Henney, clk., July 9, 3 story and basement, 130 x 150 ft., brick, concrete and stone grade school, Cossingham Ave., from J. W. Linn Constr. Co., Portsmouth, for Bd. Educ., $205,616. Noted July 1.

Ind., Indianapolis—SCHOOLS—Bd. School Cmrs., 150 North Meridian St., July 8, general contract, Grade School 14, East Ohio St., from Service Constr. Co., Castle Hall Bldg.; also Grade School 33, Sterling and 12th Sts., from S. A. Hickman, Matinsville, both, brick, steel and concrete. Archts. est. $150,000 each. Noted July 1.

Mo., St. Louis—HIGH SCHOOL—Bd. Educ., 911 Locust St., reconstructing Central High School, 3 story and basement, brick, concrete and stone, Grand Blvd., general contract, from W. MacDonald Constr. Co., Syndicate Trust Bldg. $178,-327. Archts. est. $150,000.

Calif., Los Angeles — SCHOOL — Bd. Educ., July 7, Riis Boys Opportunity School, fireproof construction, from J. P. Steele, 4714 South Western Ave., $161,000. Noted July 1.

Contracts Awarded

Me., Rumford — CHURCH — St. Johns Church, F. J. Boivin, pastor, 1 story and basement, brick and stone church, to F. W. Cunningham & Sons, 8 State St., Portland. Archts. est. $150,000. Noted July 1.

Me., Orono—MECHANICAL and ENGINEERING—University of Maine, H. S. Boardman, dean, 2 story and basement, brick and limestone, to O. Nelson, 194 Exchange St., Bangor. Archts. est. to exceed $150,000. Noted Apr. 15.

Mass., Boston — PARISH HOUSE — Emanuel Episcopal Church, 15 Newbury St., 5 story and basement, brick, stone, limestone and plain foundation parish house, 11-13 Newbury St., to Mitchell & Sutherland, Inc., 18 Tremont St. Archts. est. $150,000.

Mass., Whitman—SCHOOL—Town, c/o J. W. Beal Sons Co., archt., 2 story and basement, brick, stone and plain foundation, senior high school, to T. J. Green Co., Crescent St., Brockton. Archts. est. $300,000. Noted July 8.

R. I., Central Falls — CHURCH — Our Lady of Sacred Heart, Notre Dame Parish, J. H. Beland, pastor, brick, steel and stone church, Broad St., to La France Constr. Co., 292 Maple St., Holyoke, Mass. Archts. est. $350,000.

Conn., New Haven—HIGH SCHOOL—City, R. B. Hall, Junior High School, 3 story and basement, brick and steel, Grand Ave., to C. Abbadessa, 159 Winthrop Ave., $256,695. Noted July 1.

Conn., Stamford — NURSES HOME — Stamford Hospital, brick and steel, nurses home, to Amsterdam Constr. Co., 441 Lexington Ave., New York City, N. Y., approximately $204,000. Noted June 3.

N. Y., New York—CHURCH—St. Nicholas of Tolentine, B. J. Zeiser, c/o O'Conner, Delaney & Schultz, engrs. and archts., 162 East 37th St., brick, steel and stone, plain foundation, Fordham Rd., to J. J. MacMahon, 20 West 34th St. Archts. est. $850,000.

N. Y., Union—SCHOOL—Bd. Educ. brick, steel and stone, plain foundation Diana Pl here to F. and C. Hearter Co., 769 Dewey St., West New York, Archts. est. $175,000. Noted, July 1.

N. Y., West New Brighton (mail West New Brighton)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 45, Morrison Ave., here, to Brahan Constr. Co., 7 East 42nd St., New York City, $298,00; heating to Heat Control Service Co., 759 Park Pl., New York City. $45,335. Noted July 15.

N. J., East Orange — SCHOOLS — Bd. Educ., to A. W. Crone & Son, 383 Palisade Ave., Jersey City, general contract Franklin School, $229,987; Lincoln School, $53,980 and Washington School $59,644. Grand total $343,611. Noted July 15.

Pa., New Castle—HIGH SCHOOL—Bd. Educ Shenango Twp., c/o J. G. Houck, Lawrence Savings & Trust Bldg., general contract 1 and 2 story and basement, irregular shaped high school, to J. C. Gilfillon, New Castle $92,377; and heating and ventilating to R. T. Withers & Sons Co., New Castle, $25,368. Archts. est. $150,000. Noted July 15.

Pa., Phila.—SCHOOL—Bd. Educ., 19th and Chestnut Sts., general contract, 3 story and basement, 112x136 ft., rein.-con. and brick, Hancock and Wilder Sts., to Cramp Co., Denckler Bldg., $340,000; and heating to Thompson Bros., 520 Buttonwood Ave. $26,769. Noted July 15.

Pa., Pittsburgh—SCHOOL—Pittsburgh Diocese, general contract, Boys Catholic High School, 3 story and basement, irregular shaped addition, 5th Ave. and Boundary St., to J. A. Romans, Sheridan Ave. Archts. est. $150,000.

W. Va., Morgantown—PHYSICAL and EDUCATIONAL—West Virginia University, State Bd. Control. J. S. Lakin, pres., general contract 4 story, 114x142½ ft., rein.-con., brick and steel, here, to C. B. Keyser & Co., Bellaire, O.; heating and plumbing, to A. Zech & Son, Morgantown, electrical work, to Rosenblatt & Hunt, Charleston. Noted June 10.

Miss., Columbus — DORMITORY, etc. — Mississippi State College for Women, 2 and 3 story, concrete, brick and stone dormitory, dining hall and laundry, to L. W. Hancock, Meridian, $253,900. Noted June 24.

O., Cleveland—SCHOOL—Holy Cross, Church, T. A. Kirby, pastor, 170 East 191st St., 2 story, brick, steel and concrete, East 200th St. and Lake Shore Blvd., to Schirmer-O'Hara Co., 1720 Euclid Ave. Archts. est. $150,000. Noted Feb. 25.

Ind., Indianapolis — SCHOOL — Catholic High School, 14th and Meridian Sts., general contract, 3 story and basement, brick, steel and rein.-con., to J. G. Karstedt Constr. Co., Lemcke Bldg., archt. est. $1,000,000. Noted June 24.

Mich., Detroit—CHURCH—St. Josephs Episcopal Church, Woodward and Holbrook Aves., 2 and 3 story and basement, rein.-con., brick and steel, plain foundation, Woodward Ave., to Walbridge Aldinger Co., 2356 Penobscot Bldg., Archts. est. $300,000. Noted July 1.

Neb., Lincoln—CHURCH—First Christian Church, 1 story and basement, 80x143 ft., brick, steel and stone, plain foundation, 16th and K Sts., to Charles Olson Constr. Co., 205 Chapin Bldg. $130,000. Archts. est. $150,000. Noted May 27.

Neb., Lincoln—HIGH SCHOOL—Bd. Educ. addition to senior high school, plain foundation, here, to G. M. Robertson Co., 1st Natl. Bank Bldg., $234,183.

Ark., Little Rock—HIGH SCHOOL—Special School Dist., D. R. Fones, secy., general contract 4 story and basement, rein.-con., brick, stone, steel and terra cotta Park Ave., to G. Walker, Salina, $767,643; heating and ventilating, to El Dorado Plumbing & Heating Co., El Dorado, $102,000; plumbing, to Himstedt & Son, 208 La St., Little Rock, $58,360; electrical work, to Arkansas Electric Co., 316 La St., $35.210. Noted July 1.

Que., Montreal—CHURCH—Roman Catholic Parish of St. Jean de la Croix 1 story, 60x200 ft., steel and stone, St. Lawrence Blvd. to G. C. Alphonbe Gratton & Fils Ltd., 511 St. Catherine St. W., $349,000.

Unclassified

Proposed Work

Foundations—Long Island City, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, rejected bids

Unclassified (Continued)

June 28, for additional foundations for elevated railroad columns, Roosevelt Ave., east of Willets Point Blvd., Route 52, Sect. 2, here. Agreement "EN." Noted July 8.

Tunnel—Chattanooga, Tenn.—Hamilton Co. election Aug. 5, $600,000 bonds tunnel under Missionary Ridge. E. G. Munell, Court House, co. engr.

Elimination Grade Crossing—Nashville, Tenn.—State Dept. Highways & Pub. Wks., Nashville, making preliminary surveys eliminating grade crossing over Nashville, Chattanooga & St. Louis R.R. tracks, on Hardin Rd., Memphis-Bristol Highway, Davidson Co., near here. To exceed $25,000. C. N. Bass, highway engr.

Quarry Development, etc.—Wilham (mail Calderwood), **Tenn.**—Southern Slate & Marble Co., Maryville, capitalized for $230,000, plans development, here.

Development—Anderson, Ind.—Plans developing over 200 acres in new addition to city, incl. constructing 500 homes, laying streets, sewer system, etc. $3,000,000.

Swimming Pool—Detroit, Mich.—See "Buildings Commercial."

Park Improvements—Burlington, Wis.—Election in September, $25,000 bonds, improving parks. A. Zechel, city clk.

Swimming Pool—Cudahy, Wis. — See "Buildings Educational and Religious."

Golf Course—La Crosse, Wis.—La Crosse Public Course, J. A. Bartl, secy., 1515 State St., plans 9 or 18 hole golf course and constructing club house, etc. $25,000. Engineer not selected.

Lighting Facilities — Kirkwood, Mo. — Voted $50,000 bonds improving electric lighting facilities.

Foundation—St. Louis, Mo.—See "Buildings Commercial."

Grain Elevator—Tracy, Mo.—Platte Co. Co-Operative Wheat Elevator Assn., plans rebuilding grain elevator recently destroyed by fire, here. $65,000.

Grain Elevator—Blackwell, Okla.—Deer Creek Elevator Co. plans rebuilding structure recently destroyed by fire. $45,000. Private plans.

Mine—Cardin, Okla.—Commerce Mining & Royalty Co. plans rebuilding Blue Goose Mine recently destroyed by fire. $150,000. Private plans.

Pier and Wharf—Berkeley, Calif—A. O. Stewart, 58 Sutter St., San Francisco plans approximately 3 mi. rein.-con. or timber pier, and 100x2000 ft. public wharf. $1,-600,000.

Fire Alarm System—Berkeley, Calif.—Making plans fire alarm signal system. To exceed $25,000. J. N. Edy, city mgr.

Tunnel—Berkeley, Calif.—Regents Bd. of University of California, plans 600 ft. concrete service tunnel, 5 ft. wide, to carry steam, water and electric lines to Hearst Memorial gymnasium.

Bids Desired

Foundation—Charlestown (Boston P. O.), **Mass.**—W. F. Schrafft & Sons Corp., 160 Washington St., Boston, taking bids foundation and grading for factory addition, Sullivan Sq., here. $25,000. Lockwood Greene & Co., 24 Federal St., Boston, engrs.

Heating and Ventilating—Foxboro, Mass.—Town, B. B. Bristol, chn. building comm., taking bids, heating and ventilating system in New High School. $25,000. C. R. Greco, 11 Beacon St., Boston, archt.

Rip Rap and Bridge Work—Newburyport, Mass.—July 27, by Dept. Pub. Wks., furnishing, placing rip rap and bridge work at bridge over Merrimac River, for Commonwealth of Massachusetts. $25,000. W. F. Williams, comr.

Special Work—Brooklyn, N. Y.—July 30, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply of special work (rails, frogs, etc.), for use in Coney Island Yard, here.

Swimming Pool and Shelter—Phila., Pa.—July 23, by Dept. Pub. Welfare, Bureau of Recreation, 35 x 90 ft., rein.-con. swimming pool, and 48 x 145 ft., brick and steel shelter, Rodney St. and Ferry Rd. R. E. White, Penn Bldg., archt.

Wiring, Plumbing, Heating, etc.—Phila., Pa.—Aug. 2, by Commissioners Fairmont Park, City Hall, Schedule A, electric wiring, light and power; Schedule B, Plumbing and drainage; Schedule C, heating and ventilating; Schedule D, electric wiring system for cascade, pump motors, etc.; Schedule E, pumps and piping for cascade eastern approach, etc. for Philadelphia Museum of Art, Fairmont Park. Bores, Trembauer & Zantzinger, Land Title Bldg., archts.

Track Elevation — Phila., Pa. — See "Sewers."

Turbine, etc.—Marshfield, Wis.—July 30 (extended date), by Water & Light Dept., G. Marvin, secy., one 1,500 kw., high pressure condensing system turbine unit compete with condenser and auxiliaries.

Culverts—Marion, Kan.—See "Streets and Roads."

Transmission Line—Arkansas—See "Contracts Awarded."

Grade Separation—Los Angeles, Calif.—Aug. 2, by Bd. Pub. Wks., constructing Hyperion-Waverly grade separation in connection with Hyperion-Glendale Viaduct over Los Angeles River between Valleybrink Rd. and Rowona Ave., invol. retaining wall, bridge, 8 in. asphaltic concrete paving, etc. M. Butler, city bridge engr.

Bids Received

Pavilions, etc.—Brooklyn, N. Y.—J. A. Guider, pres. Brooklyn Boro., Boro. Hall, July 15, 2 pavilions, on Boardwalk at Coney Island, from Keppler Constr. Co., 343 Lewis Ave., $27,350; comfort station from Werner Mitchell Co., Inc., 1 DeKalb Ave., $84,853; plumbing from Nally Plumbing & Contg. Co., 177 West 97th St., New York City, $17,315; and heating, etc. from Clermont Heating Co., 480 Clermont Ave., $4,-575. Noted July 8.

Undercrossing — Baltimore, Md. — Bd. Awards, steel and concrete North Point Rd. undercrossing at Pennsylvania R.R., tracks from Catalano & Pecora Constr. Co., Knickerbocker Bldg., $111,135.

Swimming Pool—Cleveland, O.—City, F. S. Harmon, dir. Parks, City Hall, 1 story, 125 x 400 ft., Woodland Hills Park, from Hecker-Moon Co., 8701 Union Ave., $272,-000. Noted June 24.

Bulkhead, etc.—Long Beach, Calif.—Rein.-con. bulkhead, stairway, electric conduits, etc. in Bay Shore Walk, etc., from Frazer & Bishop, Kress Bldg., $64,900.

Ornamental Lighting System — Los Angeles, Calif.—Ornamental street lighting system in Beverly Glen Blvd. between Wilshire and Santa Monica Blvds., from D. S. McEwen, 2930 Main St., Santa Monica, $32,-428. Noted July 8.

Contracts Awarded

Platform Extensions—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., platform extensions to Stations Bway-4th Ave. Rapid Transit R.R. to Edwards & Flood, Inc., 186 Joralemon St., Brooklyn, $101,775. Noted July 15.

Swimming Pool and Shelter—Phila., Pa.—Dept. Pub. Welfare, Bureau of Recreation, City Hall, 35x90 ft., rein.-con. swimming pool and 98x124 ft. brick and steel shelter, 27th St. to McCormick-Lenham Co., Broad St. $32,965. Noted July 15.

Undercrossing — Baltimore, Md. — Bd. Awards, North Point Rd. undercrossing at Pennsylvania R.R., concrete and steel, to Catalano & Pecora Constr. Co., Knickerbocker Bldg., $111,135.

Swimming Pool—Memphis, Tenn.—See "Buildings-Commercial."

Oil Pipe Line—Illinois and Indiana—Roxana Petroleum Corp., Shell Bldg., St. Louis, Mo., will build 300 mi. oil pipe line from Roxana (mail East Alton), Ill. to East Chicago, Ill. and to Gary, Ind., incl. pumping stations approximately every 100 mi., by day labor. Private plans. Noted Dec. 17, under "Buildings-Industrial."

Coal Chute—Council Bluffs, Ia.—Chicago, Rock Island & Pacific R.R. Co., La Salle Street Station, Chicago, Ill., C. A. Morse, ch. engr., 400 ton capacity steel and corrugated oil coal chute with cinder pits, etc., to Fairbanks Morse Co., 900 South Wabash Ave., Chicago, Ill. Total estimate approximately $50,000.

Culverts—Lawrence, Kan.—See "Streets and Roads."

Exposition Entrance—St. Louis, Mo.—Greater St. Louis Exposition, c/o St. Louis Chamber of Commerce, 511 Locust St., constructing entrance 350 ft. long, incl. four 60 ft. main pylons, approximately 600 booths, cafeteria, fence, etc. general contract, to Gamble Constr. Co., 620 Chestnut St. Archts. est. $250,000.

Grain Elevator—North Kansas City, Mo.—Larabee Flour Mills Corp., Security Bldg., Kansas City, battery of 750,000 bu. rein.-con. storage tank, to J. Stewart & Co., Inc., 343 South Dearborn St., Chicago, Ill.

Transmission Line—Arkansas—Arkansas Light & Power Co., Pine Bluff, H. O'Neil, c/o owner, ch. engr., will build 125 mi. 110,000 volt ⅞ in. steel cord aluminium cable on 50 creosoted poles, step down stations, etc., from North Little Rock to Newport, by day labor. Engrs. est. $100,000.

Transmission Line—Arkansas—See "Dam."

River and Rail Terminal—Helena, Ark.—Helena Wharf Impvt. Co., boat landing with railway tracks, to Kancher, Hodges & Co., Memphis. Noted Mar. 18.

Transmission Line—Quebec—Shawinigan Water & Power Co., Shawinigan Falls, will build 120 mi. transmission line from Ile Malione to Quebec, incl. 300 ft. road through the forest. $4,250,000.

Federal Government Work

Bids Desired

Mass., South Boston (Boston P. O.)—Utility Building—Aug. 4, by Bureau of Yards & Docks, Navy Dept., Wash., D. C., utility building at Naval Dry Dock, here. adv. E. N.-R. July 22.

R. I., Providence—Dredging—Aug. 20, at U. S. Engineer Office, dredging in Providence River; adv. E. N.-R. July 22.

N. Y., Buffalo—Extension—Aug. 17, at U. S. Engineer Office, timber-concrete extension, to lower east wing at Black Rock, here; adv. E. N.-R. July 22.

D. C., Wash.—Motors, etc.—Aug. 11, by Navy Dept., E. W. Eberle, acting secy., main motors, generators and control equipment for Submarines V-5 and V-6. adv. E. N.-R. July 22. Noted May 13.

Ga., Fort Benning—Barracks—Aug. 16, at office Constructing Quartermaster, permanent Cuartel Barracks (Sections, B, C. and D), etc.; adv. E. N.-R. July 22.

Ill., Chicago—Dredging—Aug. 17, at U. S. Engineer Office, 537 South Dearborn St., dredging in Harbor and River, here.

Ill., Rockwood—Dikes, etc.—Aug. 11, at U. S. Engineer Office, 428 Customhouse, St. Louis, Mo., for 11,000 lin.ft. piling dikes or hurdles near here; adv. E. N.-R. July 22.

Minn., Duluth—Warehouse and Dock—July 26, by U. S. Engineer Office, warehouse and timber wharf front at U. S. Vessel Yard, here.

Ore., Portland—Dredging—July 24, by U. S. Engineer Office, dredging 647,000 cu. yd. in Tillamock Bay, here.

Bids Received

Mass., Boston—Circulating Loop—Spec. 5190—Bureau Yards & Docks, Navy Dept., Wash., D. C., salt water circulating pipe from harbor to Central power plant, at Navy Yard, here, from A. Pope, Arizona Ave. and Upton St. N. W., Wash., D. C., (1) $155,000 (2) $149,000. Noted July 1.

N. Y., Brooklyn—Extracting and Purifying System—Spec. 5220—Bureau Yards & Docks, Navy Dept., Wash., D. C., July 7, oil extracting and purifying system, at Navy Yard, here, from Permutit Co., 440 4th Ave., New York City, $4,658. Noted July 1.

N. J., Newark—Rock Removal—U. S. Engineer Office, 2nd Dist., Army Bldg., New York City, 60,000 cu.yd. removing rock and overburden in Newark Bay, from New Jersey Shipbuilding & Dredging Co., foot 28th St., Bayonne, $411,600. Noted June 10.

Pa., Phila.—Dredging—Spec. 5225—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at U. S. Navy Yard, here, from Amer. Dredging Co., Market St., $0.38 per cu.yd. Noted June 24.

Pa., Phila.—Road—Spec. 5236—Bureau Yards & Docks, Navy Dept., Wash., D. C., resurfacing roads at U. S. Navy Yard, here, from B. Foster Co., Inc., 20th and Venango Sts., $7,348.

Materials

Bids Desired

Wire—Phila., Pa.—July 29, by Montgomery Smith, 17th and Filbert Sts., purch. agt. for Pennsylvania R.R., Broad St. Sta., 150 mi. 4/0 grooved section, hard drawn, copper trolley wire, A. S. T. M., Contr., 18—1926; and 630,000 ft. rubber insulated, Spec. G. S. T. 504, 52,000 ft. rubber insulated wire Spec. 112A, and 38,000 ft. weather proof wire, spec. 112A, Contr. 19-1926. A. C. Shand, ch. engr.

Piling—Los Angeles, Calif.—July 21, by City Harbor Comn., 805 Pcs. 54 to 68 ft., Douglas Fir or Southern Yellow pine piles. Previous bids rejected.

Contracts Awarded

Edgestones—Boston, Mass.—City, Supply Dept., City Hall, furnishing 10,000 lin.ft. edgestones, to H. E. Fletcher Co., 31 State St. $1.70 per lin.ft.

See proposal advertising on page 130

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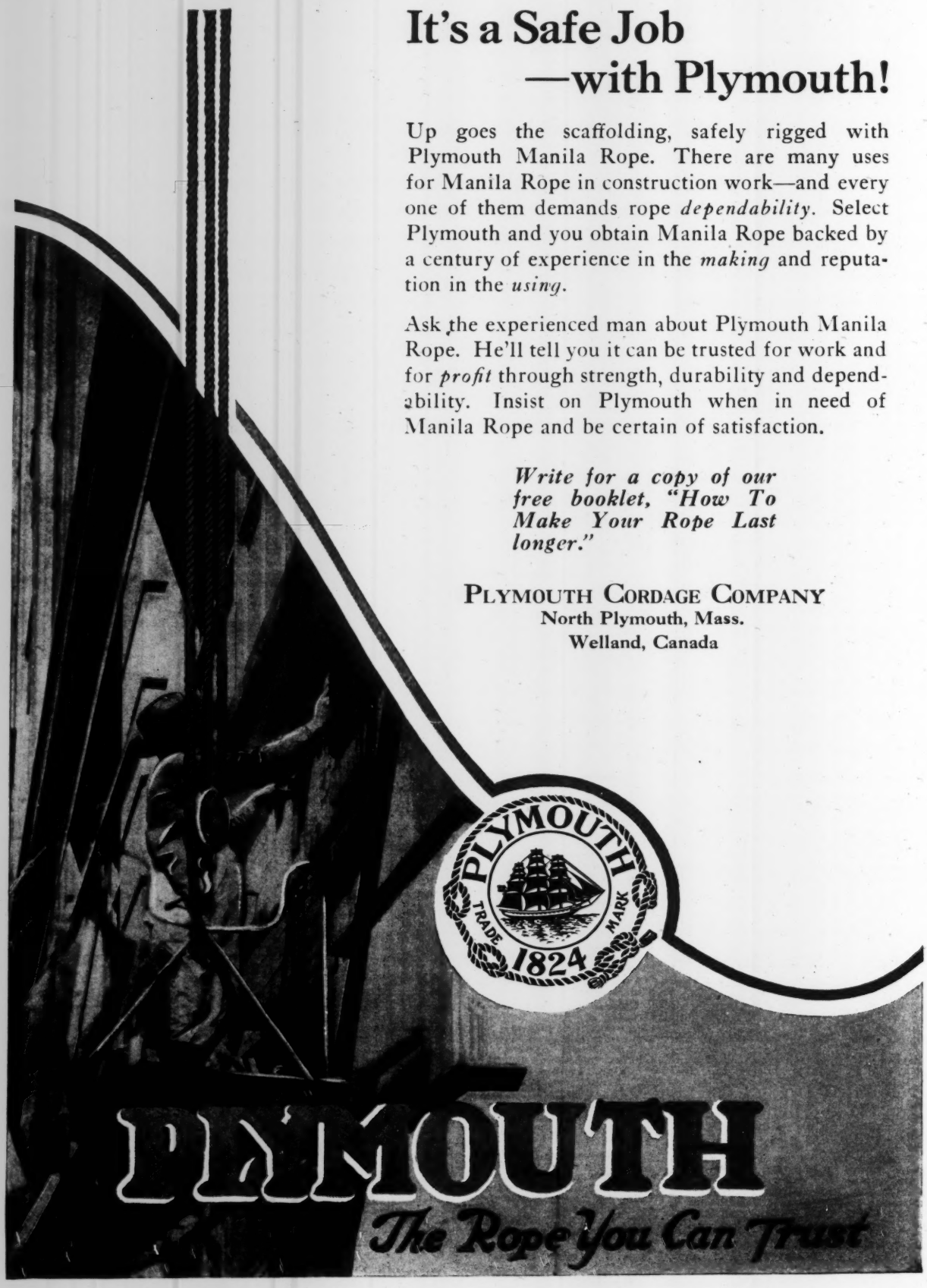
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